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Service Manual

ORDER NO.
RRV3771

DVD/CD RECEIVER

XV-DV777
XV-DV373

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Type	Power Requirement	Region No.	Remarks
XV-DV777	WLXJ	AC 220 V to 240 V	3	
XV-DV777	NAXJ5	AC 220 V	6	
XV-DV777	NTXJ	AC 220 V	3	
XV-DV777	TDXJ/RB	AC 110 V to 240 V	2	
XV-DV373	WLXJ	AC 220 V to 240 V	3	
XV-DV373	TDXJ/RB	AC 110 V to 240 V	2	

This service manual should be used together with the following manual(s).

Model No.	Order No.	Remarks
XV-DV575/WYXJ5	RRV3748	

For SPECIFICATIONS and PANEL FACILITIES, refer to the operating instructions.

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PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium
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ⓒPIONEER CORPORATION 2008

T-ZZK JUNE 2008 Printed in Japan

SAFETY INFORMATION

This service manual is intended for qualified service technicians ; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING !

THE AEL (ACCESSIBLE EMISSION LEVEL) OF THE LASER POWER OUTPUT IS LESS THAN CLASS 1 BUT THE LASER COMPONENT IS CAPABLE OF EMITTING RADIATION EXCEEDING THE LIMIT FOR CLASS 1.
A SPECIALLY INSTRUCTED PERSON SHOULD DO SERVICING OPERATION OF THE APPARATUS.

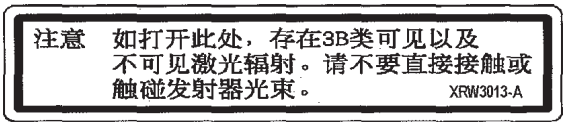
LASER DIODE CHARACTERISTICS

FOR DVD : MAXIMUM OUTPUT POWER : 5 mW
WAVELENGTH : 650 nm
FOR CD : MAXIMUM OUTPUT POWER : 5 mW
WAVELENGTH : 780 nm

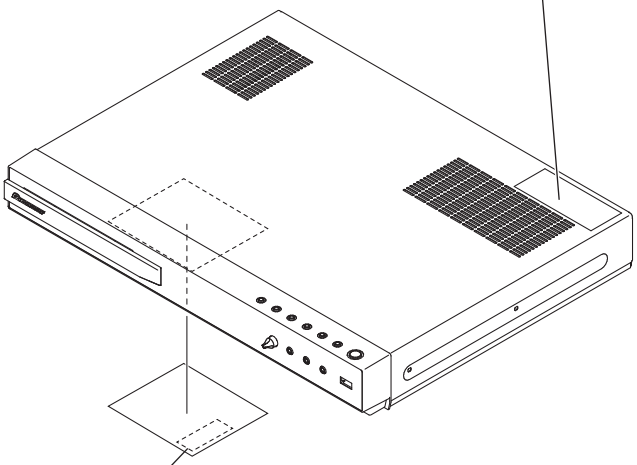
LABEL CHECK

CAUTION CLASS 3B VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO THE BEAM.
ATTENTION RADIATIONS LASER VISIBLES ET INVISIBLES DE CLASSE 3B QUAND OUVERT. ÉVITEZ TOUT EXPOSITION AU FAISCEAU.
ADVARSEL KLASSE 3B SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING. UNDGÅ UDSÆTTELSE FOR STRÅLING.
VARNING KLASS 3B SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. UNDVIK ATT UTSÄTTA DIG FÖR STRÅLEN.
VORSICHT BEI GEÖFFNETER ABDECKUNG IST SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG DER KLASSE 3B IM GERÄTEINNEREN VORHANDEN. NICHT DEM LASERSTRAHLAUSSETZEN!
PRECAUCIÓN CUANDO SE ABRE HAY RADIACIÓN LÁSER DE CLASE 3B VISIBLE E INVISIBLE. EVITE LA EXPOSICIÓN A LOS RAYOS LÁSER.
VARO! AVATTAESSA OLET ALTTIINA NÄKYVÄLLE JA NÄKYMÄTTÖMÄLLE LUOKAN 3B LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.
PRW1608-A

WLXJ, NTXJ and TDXJ/RB types : PRW1608



NAXJ5 type : XRW3013



Name label

Additional Laser Caution

1.
- Laser diode is driving with Q307 (650 nm LD) and Q308 (780 nm LD) on the 08 DVDM Assy.
  Therefore, when short-circuit between the emitter and collector of these transistors or the base voltage is supplied for transistors turn on, the laser oscillates. (failure mode)
- In the test mode ∗ , there is the mode that the laser oscillates except for the disc judgment and playback. LD ON mode in the test mode oscillates with the laser forcibly.

2. When the cover is open, close viewing through the objective lens with the naked eye will cause exposure to the laser beam.

∗ : See page 24 on the service manual RRV3748.

1. CONTRAST OF MISCELLANEOUS PARTS

NOTES:
- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Screws adjacent to ▼ mark on product are used for disassembly.*
- *For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)*
- *Nos. indicate the pages and Nos. in the service manual for the base model.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).

560Ω → 56 x 10^1 → 561 ····· RD1/4PU561J
47kΩ → 47 x 10^3 → 473 ····· RD1/4PU473J
0.5Ω → R50 ····· RN2HR50K
1Ω → 1R0 ····· RS1P1R0K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62kΩ → 562 x 10^1 → 5621 ····· RN1/4PC5621F

CONTRAST TABLE

[1] For XV-DV777/WLXJ, /NAXJ5, /NTXJ and /TDXJ/RB types

XV-DV575/WYXJ5, XV-DV777/WLXJ, XV-DV777/NAXJ5, XV-DV777/NTXJ and XV-DV777/TDXJ/RB are constructed the same except for the following:

Mark	No.	Symbol and Description	XV-DV575 /WYXJ5	XV-DV777 /WLXJ	XV-DV777 /NAXJ5	XV-DV777 /NTXJ	XV-DV777 /TDXJ/RB	Remarks
		PCB ASSEMBLIES						
	P47-3	1..SYSMAIN Assy	XWM3392	XWM3417	XWM3419	XWM3418	XWM3420	
NSP		1..NHTS JACK ASSY	AWM8034	Not used	Not used	Not used	Not used	
	P47-5	2..EUROSCART ASSY	AWU8291	Not used	Not used	Not used	Not used	
	P47-7	1..FM/AM TUNER Unit	AXX7248	AXX7251	AXX7251	AXX7251	AXX7251	*1
		PACKING SECTION						
⚠	P45-1	Power Cord	ADG1127	ADG1127	ADG7079	XDG3056	ADG1127	
	P45-9	Label (WEEE)	ARW7322	Not used	Not used	Not used	Not used	
	P45-10	Operating Instructions (English/French)	XRE3182	Not used	Not used	Not used	Not used	
	P45-11	Operating Instructions (German/Italian)	XRC3335	Not used	Not used	Not used	Not used	
	P45-12	Operating Instructions (Dutch/Spanish)	XRC3336	Not used	Not used	Not used	Not used	
	P45-15	Setup Guide (English/English)	XRE3181	Not used	Not used	Not used	Not used	
	P45-16	Setup Guide (German/Italian)	XRC3334	Not used	Not used	Not used	Not used	
	P45-17	Setup Guide (Dutch/Spanish)	XRC3344	Not used	Not used	Not used	Not used	
NSP	P45-20	Warranty Card	ARY7111	Not used	ARY7118	XRY3004	Not used	
	P45-25	Packing Case	XHD3789	XHD3818	XHD3820	XHD3817	XHD3819	
		Operating Instructions (Arabic)	Not used	Not used	Not used	Not used	XRC3341	
		Operating Instructions (Simp-Chinese)	Not used	Not used	XRC3348	Not used	Not used	
		Operating Instructions (English)	Not used	Not used	Not used	Not used	XRB3097	
		Operating Instructions (English/Trad-Chinese)	Not used	XRE3179	Not used	Not used	Not used	
		Operating Instructions (Thai)	Not used	Not used	Not used	XRC3342	Not used	
		Setup Guide (English/Trad-Chinese)	Not used	XRE3194	Not used	Not used	Not used	
		Setup Guide (Simp-Chinese)	Not used	Not used	XRC3347	Not used	Not used	

Mark	No.	Symbol and Description	XV-DV575 /WYXJ5	XV-DV777 /WLXJ	XV-DV777 /NAXJ5	XV-DV777 /NTXJ	XV-DV777 /TDXJ/RB	Remarks
		Setup Guide (English/Arabic)	Not used	Not used	Not used	Not used	XRE3195	
		Setup Guide (Thai)	Not used	Not used	Not used	XRC3357	Not used	
NSP		Vinyl Bag (Warranty Card)	Not used	Not used	Not used	AHG7099	Not used	
NSP		Service Map (Thai)	Not used	Not used	Not used	XRY3005	Not used	
		EXTERIOR SECTION						
	P47-12	23P FFC/60V (J1909)	XDD3267	Not used	Not used	Not used	Not used	
	P47-20	Rear Panel WHTS	XNC3572	XNC3603	XNC3606	XNC3604	XNC3605	
	P47-26	F/P Assy WHTS	XXG3370	XXG3379	XXG3379	XXG3379	XXG3379	
NSP	P47-30	Front Panel WHTS	XMB3328	XMB3337	XMB3337	XMB3337	XMB3337	
	P47-34	Laser Caution	PRW1608	PRW1608	XRW3013	PRW1608	PRW1608	
NSP	P47-36	Name Label WHTS	XAL3308	XAL3312	XAL3314	XAL3312	XAL3312	
NSP	P47-38	POP Getter WHTS	XAX3677	XAX3690	XAX3680	XAX3690	XAX3690	
NSP		CCC S&E Label	Not used	Not used	DRW2310	Not used	Not used	
NSP		SISIR Label WHTS	Not used	XAX3698	Not used	Not used	Not used	

Notes : For PCB ASSEMBLIES, Refer to "CONTRAST OF PCB ASSEMBLIES" and "2. SCHEMATIC DIAGRAM".
*1 : FM/AM TUNER Unit has no service parts.

[2] For XV-DV373/WLXJ and /TDXJ/RB types

XV-DV575/WYXJ5, XV-DV373/WLXJ and XV-DV373/TDXJ/RB are constructed the same except for the following:

Mark	No.	Symbol and Description	XV-DV575 /WYXJ5	XV-DV373 /WLXJ	XV-DV373 /TDXJ/RB	Remarks
		PCB ASSEMBLIES				
	P47-3	1..SYSMAIN Assy	XWM3392	XWM3415	XWM3416	
NSP		1..NHTS JACK ASSY	AWM8034	Not used	Not used	
	P47-5	2..EUROSCART ASSY	AWU8291	Not used	Not used	
	P47-7	1..FM/AM TUNER Unit	AXX7248	AXX7251	AXX7251	*1
		PACKING SECTION				
	P45-9	Label (WEEE)	ARW7322	Not used	Not used	
	P45-10	Operating Instructions (English/French)	XRE3182	Not used	Not used	
	P45-11	Operating Instructions (German/Italian)	XRC3335	Not used	Not used	
	P45-12	Operating Instructions (Dutch/Spanish)	XRC3336	Not used	Not used	
	P45-15	Setup Guide (English/English)	XRE3181	Not used	Not used	
	P45-16	Setup Guide (German/Italian)	XRC3334	Not used	Not used	
	P45-17	Setup Guide (Dutch/Spanish)	XRC3344	Not used	Not used	
NSP	P45-20	Warranty Card EU	ARY7111	Not used	Not used	
	P45-25	Packing Case	XHD3789	XHD3813	XHD3815	
		Operating Instructions (Arabic)	Not used	Not used	XRC3341	
		Operating Instructions (English)	Not used	Not used	XRB3097	
		Operating Instructions (English/Trad-Chinese)	Not used	XRE3179	Not used	
		Setup Guide (English/Arabic)	Not used	Not used	XRE3190	
		Setup Guide (English/Trad-Chinese)	Not used	XRE3193	Not used	
		EXTERIOR SECTION				
	P47-12	23P FFC/60V (J1909)	XDD3267	Not used	Not used	
	P47-20	Rear Panel WHTS	XNC3572	XNC3599	XNC3601	
	P47-26	F/P Assy WHTS	XXG3370	XXG3378	XXG3378	
NSP	P47-30	Front Panel WHTS	XMB3328	XMB3336	XMB3336	
NSP	P47-36	Name Label WHTS	XAL3308	XAL3312	XAL3312	
NSP	P47-38	POP Getter WHTS	XAX3677	XAX3687	XAX3687	
NSP		SISIR Label WHTS	Not used	XAX3697	Not used	

Notes : For PCB ASSEMBLIES, Refer to "CONTRAST OF PCB ASSEMBLIES" and "2. SCHEMATIC DIAGRAM".
*1 : FM/AM TUNER Unit has no service parts.

CONTRAST OF PCB ASSEMBLIES

BF SYSMAIN ASSY

XWM3392, XWM3417, XWM3419, XWM3418 and XWM3420 are constructed the same except for the following:

Mark	Symbol and Description	XWM3392	XWM3417	XWM3419	XWM3418	XWM3420	Remarks
	IC3601	NJM4565MD	Not used	Not used	Not used	Not used	
	IC5701	LC72725KM	Not used	Not used	Not used	Not used	
	Q491, Q3602, Q3604	RT1N241M	Not used	Not used	Not used	Not used	
	Q3601, Q3603	IMX9	Not used	Not used	Not used	Not used	
	D3603	UDZS12(B)	Not used	Not used	Not used	Not used	
	L421, L422 Inductor	Not used	CTF1389	CTF1389	CTF1389	CTF1389	
	X5701 CRYSTAL RESONATOR (4.332 MHz)	ASS7004	Not used	Not used	Not used	Not used	
	CN451 CONNECTOR	9604S-23C	Not used	Not used	Not used	Not used	
	CN3111 PIN JACK (4P)	AKB7114	Not used	Not used	Not used	Not used	
	CN3112 PIN JACK (2P)	Not used	XKB3062	XKB3062	XKB3062	XKB3062	For CN3111
	JA402 JACK	Not used	XKB3061	XKB3061	XKB3061	XKB3061	
	R424-R426	Not used	RS1/10S75R0F	RS1/10S75R0F	RS1/10S75R0F	RS1/10S75R0F	
	R491, R3609-R3612	RS1/16S103J	Not used	Not used	Not used	Not used	
	R3601	RAB4C472J	Not used	Not used	Not used	Not used	
	R3605-R3608, R3617, R3618,	RS1/16S472J	Not used	Not used	Not used	Not used	
	R3631, R3632	RS1/16S472J	Not used	Not used	Not used	Not used	
	R3613, R3614	RS1/16S473J	Not used	Not used	Not used	Not used	
	R3615, R3616	RS1/16S102J	Not used	Not used	Not used	Not used	
	R3619, R3620, R5506, R5564,	RS1/16S221J	Not used	Not used	Not used	Not used	
	R5565	RS1/16S221J	Not used	Not used	Not used	Not used	
	R3621	RS1/16S8R2J	Not used	Not used	Not used	Not used	
	R3623	RS1/16S222J	Not used	Not used	Not used	Not used	
	R3629, R3630	RS1/16S821J	Not used	Not used	Not used	Not used	
	R4015, R4016	RS1/16S223J	Not used	Not used	Not used	Not used	
	R4019, R4020	RS1/16S103J	RS1/16S473J	RS1/16S473J	RS1/16S473J	RS1/16S473J	
	R5513	Not used	RS1/16S473J	RS1/16S103J	RS1/16S393J	RS1/16S104J	*1
	R5514	Not used	RS1/16S473J	RS1/16S473J	RS1/16S473J	RS1/16S473J	*1
	R5515	RS1/16S473J	Not used	RS1/16S333J	RS1/16S223J	RS1/16S103J	
	R5516	RS1/16S473J	Not used	Not used	Not used	Not used	
	R5712, R5713	RS1/16S123J	RS1/16S0R0J	RS1/16S0R0J	RS1/16S0R0J	RS1/16S0R0J	
	C429	Not used	CEAT102M6R3	CEAT102M6R3	CEAT102M6R3	CEAT102M6R3	
	C430, C431	Not used	CEAT471M6R3	CEAT471M6R3	CEAT471M6R3	CEAT471M6R3	
	C3601-C3604, C3611, C3612	CCSRCH821J50	Not used	Not used	Not used	Not used	
	C3605-C3608	CCSRCH331J50	Not used	Not used	Not used	Not used	
	C3609, C3610, C3622	CEVW100M16	Not used	Not used	Not used	Not used	
	C3621	CEVW100M25	Not used	Not used	Not used	Not used	
	C3623	CKSRYB104K25	Not used	Not used	Not used	Not used	
	C3624	CKSRYB104K16	Not used	Not used	Not used	Not used	
	C4015, C4016, C5719	CEAT100M50	Not used	Not used	Not used	Not used	
	C5712, C5714	CCSRCH270J50	Not used	Not used	Not used	Not used	
	C5713	CKSRYB472K50	Not used	Not used	Not used	Not used	
	C5715	CKSRYB103K50	Not used	Not used	Not used	Not used	
	C5716	CCSRCH561J50	Not used	Not used	Not used	Not used	
	C5720	CEAT470M35	Not used	Not used	Not used	Not used	

*1 : Refer to DESTINATION MODEL of “10.3 SYSMAIN ASSY (1/5)” on the service manual RRV3748.

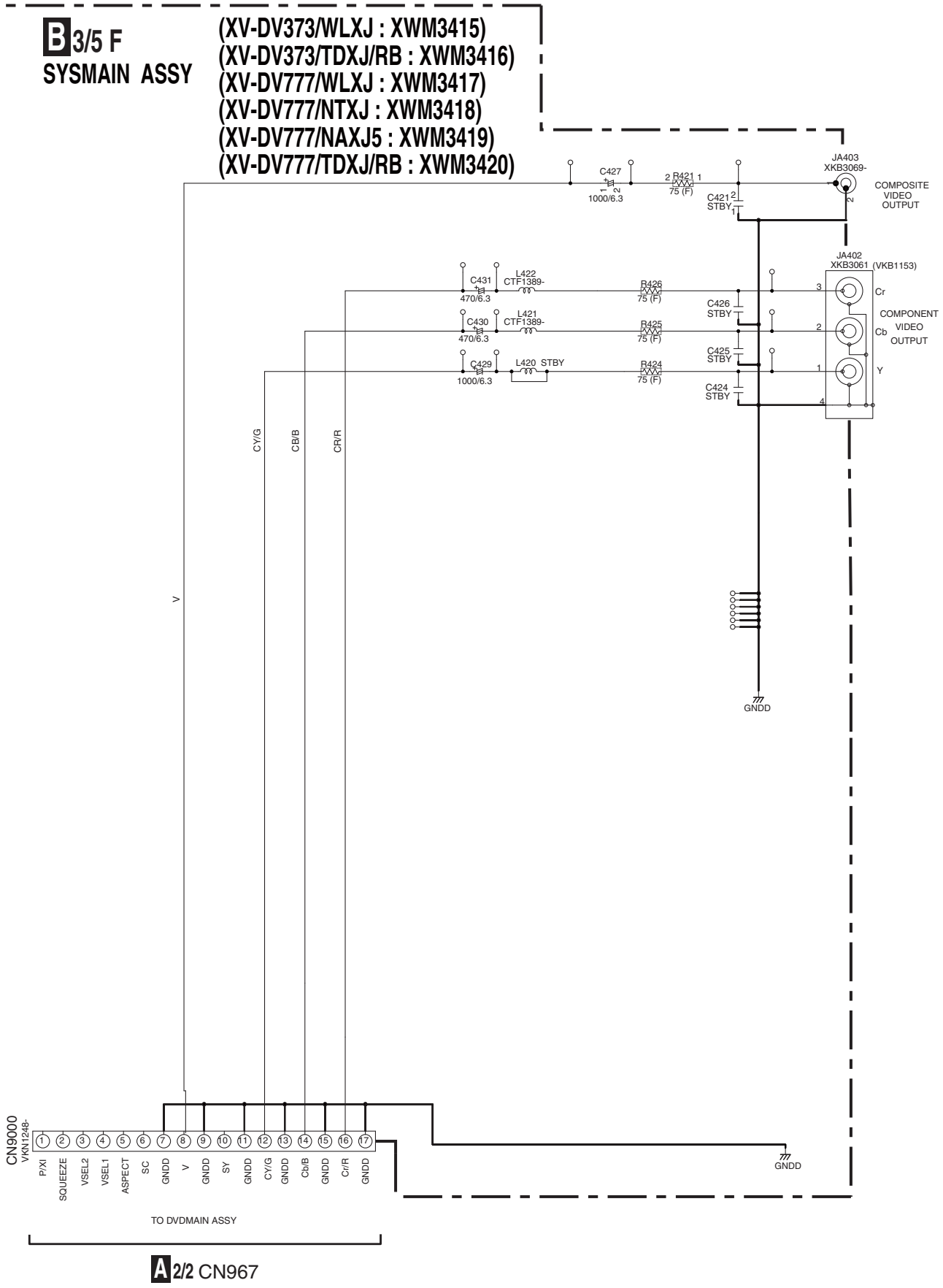
BF SYSMAIN ASSY

XWM3392, XWM3415 and XWM3416 are constructed the same except for the following:

Mark	Symbol and Description	XWM3392	XWM3415	XWM3416	Remarks
	IC3601	NJM4565MD	Not used	Not used	
	IC5701	LC72725KM	Not used	Not used	
	Q491, Q3602, Q3604	RT1N241M	Not used	Not used	
	Q3601, Q3603	IMX9	Not used	Not used	
	D3603	UDZS12(B)	Not used	Not used	
	L421, L422 Inductor	Not used	CTF1389	CTF1389	
	X5701 CRYSTAL RESONATOR (4.332 MHz)	ASS7004	Not used	Not used	
	CN451 CONNECTOR	9604S-23C	Not used	Not used	
	CN3111 PIN JACK (4P)	AKB7114	Not used	Not used	
	CN3112 PIN JACK (2P)	Not used	XKB3062	XKB3062	For CN3111
	JA402 JACK	Not used	XKB3061	XKB3061	
	R424-R426	Not used	RS1/10S75R0F	RS1/10S75R0F	
	R491, R3609-R3612	RS1/16S103J	Not used	Not used	
	R3601	RAB4C472J	Not used	Not used	
	R3605-R3608, R3617, R3618, R3631, R3632	RS1/16S472J	Not used	Not used	
	R3613, R3614	RS1/16S473J	Not used	Not used	
	R3615, R3616	RS1/16S102J	Not used	Not used	
	R3619, R3620, R5506, R5564, R5565	RS1/16S221J	Not used	Not used	
	R3621	RS1/16S8R2J	Not used	Not used	
	R3623	RS1/16S222J	Not used	Not used	
	R3629, R3630	RS1/16S821J	Not used	Not used	
	R4015, R4016	RS1/16S223J	Not used	Not used	
	R4019, R4020	RS1/16S103J	RS1/16S473J	RS1/16S473J	
	R5513	Not used	RS1/16S473J	RS1/16S104J	*1
	R5515	RS1/16S473J	Not used	RS1/16S103J	
	R5712, R5713	RS1/16S123J	RS1/16S0R0J	RS1/16S0R0J	
	C429	Not used	CEAT102M6R3	CEAT102M6R3	
	C430, C431	Not used	CEAT471M6R3	CEAT471M6R3	
	C3601-C3604, C3611, C3612	CCSRCH821J50	Not used	Not used	
	C3605-C3608	CCSRCH331J50	Not used	Not used	
	C3609, C3610, C3622	CEVW100M16	Not used	Not used	
	C3621	CEVW100M25	Not used	Not used	
	C3623	CKSRYB104K25	Not used	Not used	
	C3624	CKSRYB104K16	Not used	Not used	
	C4015, C4016, C5719	CEAT100M50	Not used	Not used	
	C5712, C5714	CCSRCH270J50	Not used	Not used	
	C5713	CKSRYB472K50	Not used	Not used	
	C5715	CKSRYB103K50	Not used	Not used	
	C5716	CCSRCH561J50	Not used	Not used	
	C5720	CEAT470M35	Not used	Not used	

*1 : Refer to DESTINATION MODEL of “10.3 SYSMAIN ASSY (1/5)” on the service manual RRV3748.

2. SCHEMATIC DIAGRAM
2.1 SYSMAIN ASSY (3/5)



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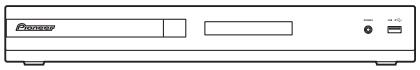

XV-DV575

ORDER NO.
RRV3748

DVD/CD RECEIVER

XV-DV575
XV-DV580
XV-DV385K
XV-DV395K

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Type	Power Requirement	Regional restriction codes (Region No.)	Remarks
XV-DV575	WYXJ5	AC 220 V to 240 V	2	
XV-DV580	WYXJ5	AC 220 V to 240 V	2	
XV-DV580	WVXJ5	AC 220 V to 240 V	2	
XV-DV385K	WSXJ5	AC 220 V to 240 V	5	
XV-DV395K	WSXJ5	AC 220 V to 240 V	5	

For details, refer to "Important Check Points for good servicing".

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PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium
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ⓒ**PIONEER CORPORATION 2008**

T-IZK APR. 2008 Printed in Japan

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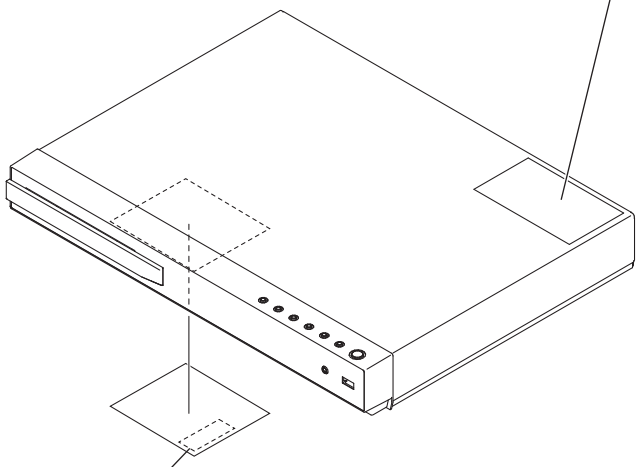
CLASS 3B VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN, AVOID EXPOSURE TO THE BEAM.
ATTENTION
RADIATIONS LASER VISIBLES ET INVISIBLES DE CLASSE 3B QUAND OUVERT. ÉVITEZ TOUT EXPOSITION AU FAISCEAU.
ADVARSEL
KLASSE 3B SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING. UNDGÅ UDSÆTTELSE FOR STRÅLING.
VARNING
KLASS 3B SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. UNDVIK ATT UTSÄTTA DIG FÖR STRÅLEN.
VORSICHT
BEI GEÖFFNETER ABDECKUNG IST SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG DER KLASSE 3B IM GERÄTEINNEREN VORHANDEN. NICHT DEM LASERSTRAHLAUSSETZEN!
PRECAUCIÓN
CUANDO SE ABRE HAY RADIACIÓN LÁSER DE CLASE 3B VISIBLE E INVISIBLE. EVITE LA EXPOSICIÓN A LOS RAYOS LÁSER.
VARO!
AVATTAESSA OLET ALTTIINA NÄKYVÄLLE JA NÄKYMÄTTÖMÄLLE LUOKAN 3B LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.
VRW2257-A

VRW2257



Name label

Additional Laser Caution

1.
- Laser diode is driving with Q307 (650 nm LD) and Q308 (780 nm LD) on the 08 DVDM Assy.
  Therefore, when short-circuit between the emitter and collector of these transistors or the base voltage is supplied for transistors turn on, the laser oscillates. (failure mode)
- In the test mode ∗ , there is the mode that the laser oscillates except for the disc judgment and playback. LD ON mode in the test mode oscillates with the laser forcibly.

2. When the cover is open, close viewing through the objective lens with the naked eye will cause exposure to the laser beam.

∗ : See page 24.

[Important Check Points for Good Servicing]

In this manual, procedures that must be performed during repairs are marked with the below symbol.
Please be sure to confirm and follow these procedures.

1. Product safety

Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

① Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

② Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

③ Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris.
Soldering should be finished with the proper quantity. (Refer to the example)

④ Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

⑤ Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

⑥ Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs.
In addition, be sure that there are no pinched wires, etc.

⑦ Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

⑧ There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages.
If you find a damaged power cord, please exchange it with a suitable one.

⑨ There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

⑩ Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries.
Please pay attention to your surroundings and repair safely.

2. Adjustments

To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification.
Adjustments should be performed in accordance with the procedures/instructions described in this manual.

3. Lubricants, Glues, and Replacement parts

Use grease and adhesives that are equal to the specified substance.
Make sure the proper amount is applied.

4. Cleaning

For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws

To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

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1. SERVICE PRECAUTIONS

1.1 NOTES ON SOLDERING

- For environmental protection, lead-free solder is used on the printed circuit boards mounted in this unit.
  Be sure to use lead-free solder and a soldering iron that can meet specifications for use with lead-free solders for repairs accompanied by reworking of soldering.

- Compared with conventional eutectic solders, lead-free solders have higher melting points, by approximately 40 °C.
  Therefore, for lead-free soldering, the tip temperature of a soldering iron must be set to around 373 °C in general, although the temperature depends on the heat capacity of the PC board on which reworking is required and the weight of the tip of the soldering iron.

Do NOT use a soldering iron whose tip temperature cannot be controlled.

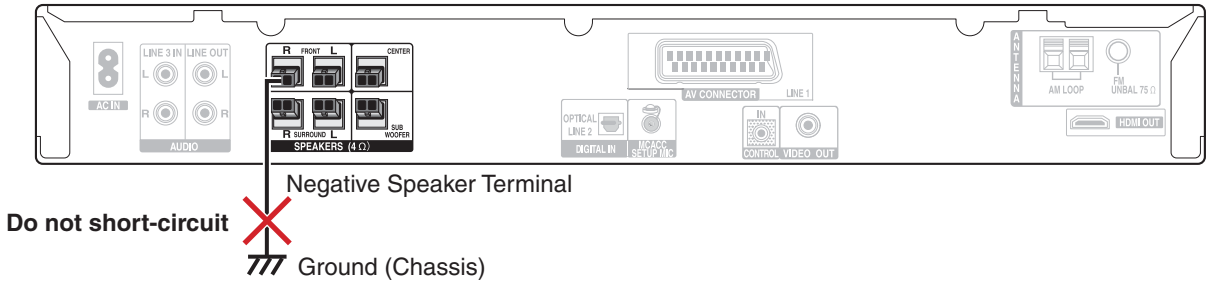
Compared with eutectic solders, lead-free solders have higher bond strengths but slower wetting times and higher melting temperatures (hard to melt/easy to harden).

The following lead-free solders are available as service parts:
- Parts numbers of lead-free solder:
  GYP1006 1.0 in dia.
  GYP1007 0.6 in dia.
  GYP1008 0.3 in dia.

1.2 CAUTION

NOTES ON BTL DRIVE

As a signal to drive the BTL is output from the negative speaker terminal, DO NOT short-circuit between the negative speaker terminal and ground, such as the chassis.
Do not short-circuit between the plus speaker terminal and ground, such as the chassis, too.



1.3 WHEN REPLACING DVD MECHA ASSY

[Removing the DVD MECHA Assy]

Before removing Pickup PCB and DVD PCB connector, short circuit the position shown in **Fig. 1** usinga soldering iron.
If you remove the DVD MECHA Assy with no soldering, the Laser may be damaged.

[Installing the DVD MECHA Assy]

Remove all the soldering on the short circuit position after the connection of Pickup PCB and DVD PCB connector.

NOTE

- Be sure to use lead-free solder and a soldering iron.
- When Soldering/Removing of solder, use the draw in equipment over the Pickup Unit to prevent the Flux smoke from it.

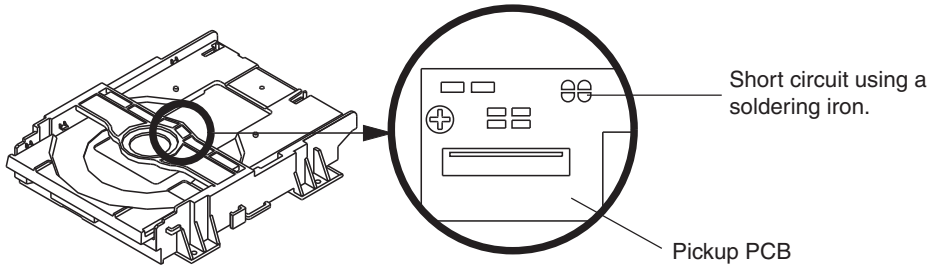


Fig. 1

1.4 DISC REMOVAL METHOD AT NO POWER SUPPLY

1. Slide the Rack Loading (White) toward the arrow direction by using a minus driver to release the lock. **(Refer to Fig. 1)**
2. Manually open the Tray.

NOTE:

Please strongly pushing Rack Loading (White) to release the lock because the tray doesn't go out easily.

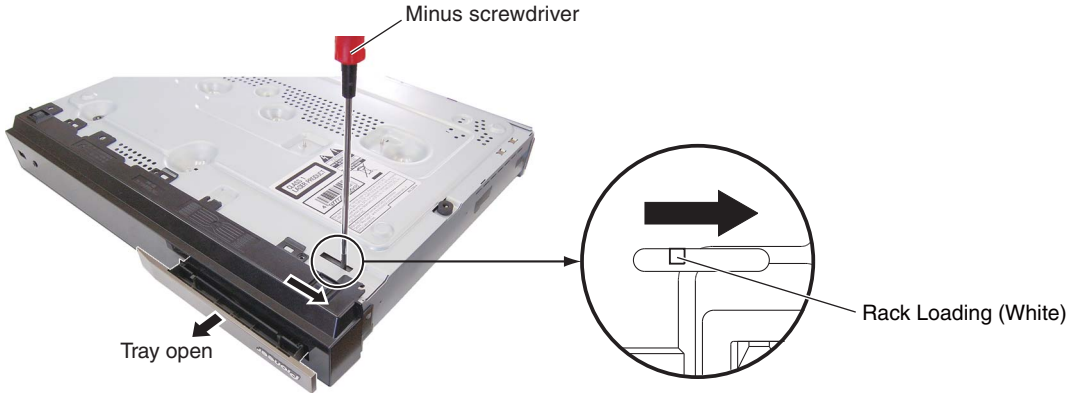


Fig. 1

2. SPECIFICATIONS
2.1 SPECIFICATIONS, DISC/CONTENT FORMAT AND ACCESORRIES

• Amplifier section
RMS Power Output:
Front, Center, Surround . . . . 60 W per channel
(1 kHz, 10 % T.H.D., 4 Ω)
Subwoofer . . . . .60 W (100 Hz, 10 % T.H.D., 4 Ω)

• Disc section
Type . . . . . DVD system, Video CD/Super VCD system and Compact Disc digital audio system
Wow and Flutter . . . . . .Limit of measurement (±0.001 % W.PEAK) or less (JEITA)

• FM tuner section
Frequency range. . . . . 87.5 MHz to 108 MHz
Antenna. . . . . 75 Ω, unbalanced

• AM tuner section
Frequency range. . . . . 531 kHz to 1602 kHz
Antenna. . . . . .Loop antenna

• Miscellaneous
Power requirements. . . AC 220 V to 240 V, 50 Hz/60 Hz
Power consumption. . . . . 50 W
Power consumption in standby. . . . . .0.42 W
Dimensions (XV-DV575, XV-DV580)
. . . . . 420 mm (W) x 60 mm (H) x 335 mm (D)
Dimensions (XV-DV385K, XV-DV395K)
. . . . . 420 mm (W) x 60 mm (H) x 339 mm (D)
Weight (XV-DV575, XV-DV580). . . . . 2.8 kg
Weight (XV-DV385K, XV-DV395K) . . . . . 2.7 kg

• Accessories (DVD/CD receiver)
Remote control. 1
AA/R6 dry cell batteries 2
(to confirm system operation)
Video cable (yellow plugs) 1
AM loop antenna 1
FM antenna 1
Microphone (for Auto MCACC setup). 1
Power cord. 1
Setup Guide
Operating instructions

Disc/content format playback compatibility

This player is compatible with a wide range of disc types (media) and formats. Playable discs will generally feature one of the following logos on the disc and/or disc packaging. Note however that some disc types, such as recordable CD and DVD, may be in an unplayable format.

See the Disc compatibility table below for more information.

DVD-Video DVD-R DVD-RW

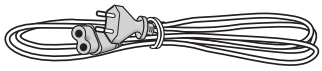
Audio CD Video CD CD-R CD-RW

Fujicolor CD

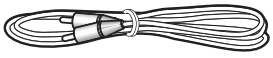
- This unit will play DVD+R/+RW discs.
- is a trademark of FUJIFILM Corporation.
- is a trademark of DVD Format/Logo Licensing Corporation.
- Also compatible with KODAK Picture CD.

This player supports the IEC's Super VCD standard for superior picture quality, dual soundtracks, and widescreen support.

Super Video CD (Super VCD)

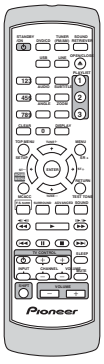

Power cord
(WYXJ5, WSXJ5 : ADG1127)
(WVXJ5 : ADG7108)

Microphone
(for Auto MCACC setup)
(XV-DV575, XV-DV580
: APM7008)


Video cable (yellow plugs)
(L = 1.5 m) (XDE3046)

FM antenna
(ADH7030)

AM loop antenna
(ATB7013)



Remote control
(XV-DV575, XV-DV580 : XXD3159)
(XV-DV385K, XV-DV395K : XXD3156)

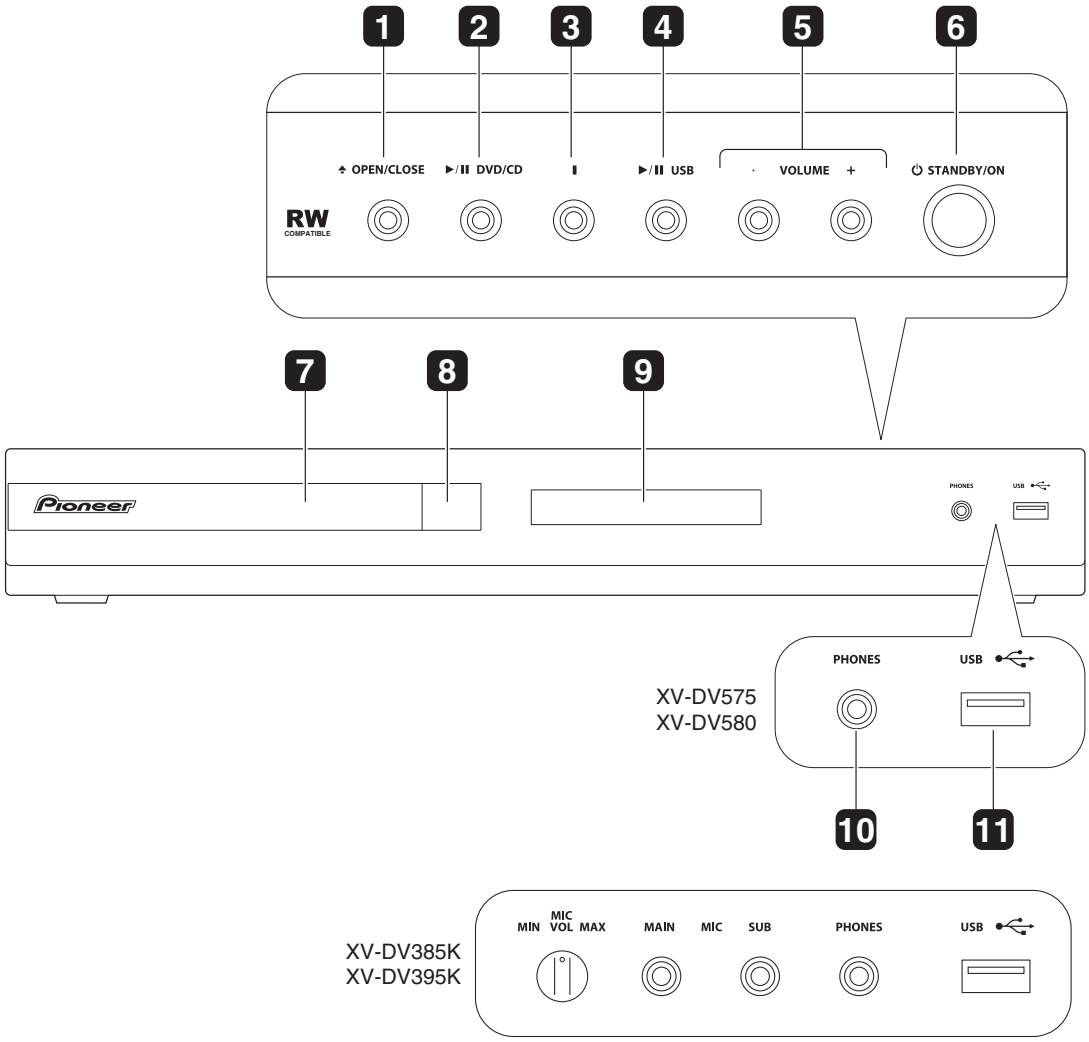
AA/R6 dry cell
batteries
(to confirm
system operation)

Manufactured under license from Dolby Laboratories."Dolby","Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,487,535 & other U.S. and worldwide patents issued & pending. DTS and DTS Digital Surround are registered trademarks and the DTS logos and Symbol are trademarks of DTS, Inc. c 1996-2007 DTS, Inc. All Rights Reserved.

2.2 PANEL FACILITIES

Front panel



1 ⏏ OPEN/CLOSE
Opens/closes the disc tray.

2 ▶/❚❚ DVD/CD
Selects the **DVD/CD** function and starts/pauses/resumes playback.

3 ■
Stops playback.

4 ▶/❚❚ USB
Selects the **USB** function and starts/pauses playback.

5 VOLUME +/– buttons

6 ⏻ STANDBY/ON
Switches the system on or into standby.

7 Disc tray

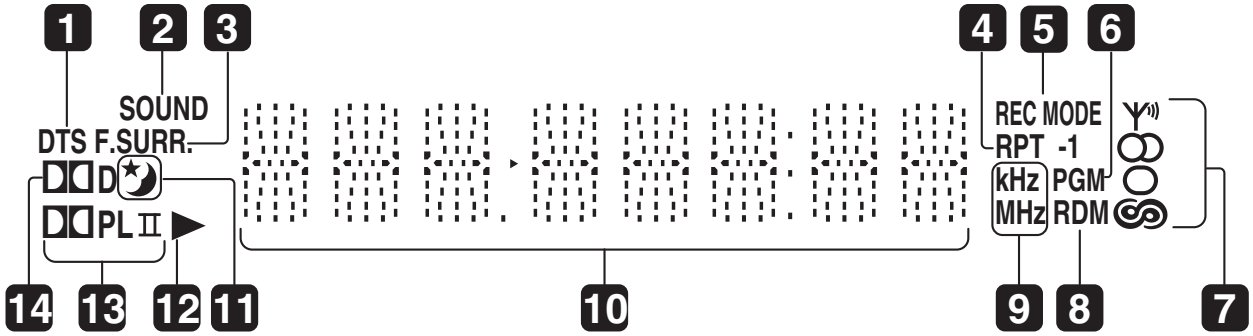
8 Remote Sensor

9 Display
See Display below.

10 PHONES jack
Connect headphones.

11 USB interface
Connect a USB device for playback (see USB playback).

Display



1 DTS
Lights during playback of a DTS source.

2 SOUND
Lights when the Sound Retriever is active.

3 SURR.
Lights when one of the Advanced surround listening modes is selected.

F.SURR.
Lights when one of the Front Stage Surround Advance mode is selected.

4 RPT and RPT-1
RPTlights during repeat play. **RPT-1**lights during repeat one-track play.

5 REC MODE
Lights when Recording mode is on.

6 PGM
Lights during program play.

7 Tuner indicators
– Lights when a broadcast is being received.

– Lights when a stereo FM broadcast is being received in auto stereo mode.

– Lights when FM mono reception is selected.

– Lights when in one of the RDS display or search modes.

8 RDM
Lights during random play.

9 kHz/MHz
Indicates the frequency unit shown in the character display (**kHz** for AM, **MHz** for FM).

10 Character display

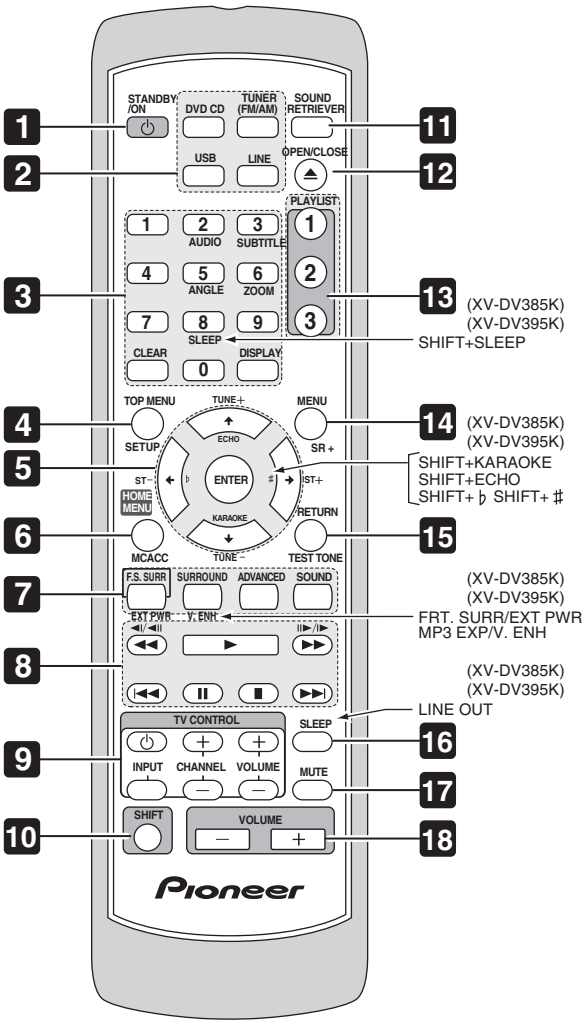
11
Lights when sleep timer is active.

12 ▶
Lights during playback.

13 PL II
Lights during Dolby Pro Logic II decoding.

14 D
Lights during playback of a Dolby Digital source.

Remote control



1 ⏻ STANDBY/ON
Switches the system on or into standby.

2 Function select buttons
Selects the source you want to listen to (**DVD/CD**,**TUNER**,**USB**,**LINE**).

3 Number buttons, CLEAR, DISPLAY and DVD controls

CLEAR
Clears an entry.

DISPLAY
Displays/changes disc information shown on-screen or to display RDS information.

SHIFT+AUDIO
Selects audio channel/language.

SHIFT+SUBTITLE
Displays/changes the subtitles.

SHIFT+ANGLE
Changes camera angle during DVD multi-angle scene playback.

SHIFT+ZOOM
Changes the screen zoom level.

4 TOP MENU–Displays the top menu of a DVD disc in the play position — this may be the same as pressing **MENU**.

SHIFT+SETUP – Use to make various system and surround sound settings.

5 Cursor, ENTER and tuning buttons
⬆/⬇/⬅/➡ – Use the cursor buttons to navigate on-screen displays and menus.

ENTER– Selects an option or executes a command.

TUNE +/– – Tunes the radio.

ST +/– – Selects station presets when listening to the radio.

6 HOME MENU – Displays (or exits) the on-screen menu for Initial Settings, Play Mode functions, etc.

SHIFT+MCACC – Starts the Auto MCACC setup. (XV-DV575, XV-DV580)

7 Sound controls
F.S.SURR – Selects Front Stage Surround Advance mode.

SURROUND – Selects a Surround mode or switches to stereo playback.

ADVANCED – Selects a Pioneer original surround mode.

SOUND – Accesses the sound menu to adjust the tone, bass and treble, etc. .

8 Playback controls
See Basic playback controls, Disc playback features and USB playback for an explanation of these controls.

9 TV CONTROL buttons
These control Pioneer flat screen TVs.

10 SHIFT
Press to access the controls highlighted in green.

11 SOUND RETRIEVER –Press to restore CD quality sound to compressed audio sources.

12 ⏏ OPEN/CLOSE
Opens/closes the disc tray.

13 PLAYLIST buttons
Add tracks (during playback), or select a playlist (while stopped).

14 MENU – Press to display a USB menu, or the Navigator.

SHIFT+SR+– Sets the interlocking with the connected flat screen TV.

15 RETURN – Returns to a previous menu screen.

SHIFT+TEST TONE– Outputs the test tone (for speaker setup).

16 SLEEP
Press to set the sleep timer.

17 MUTE
Mutes the sound (press again to cancel).

18 VOLUME +/–
Adjusts the volume.

3. BASIC ITEMS FOR SERVICE
3.1 CHECK POINTS AFTER SERVICING

Check points after servicing (HTZ and system audio)

To keep the product quality after servicing, confirm recommended check points shown below.

No.	Procedures	Check points
1	Confirm the firmware version on Service Mode.	The version of the firmware must be latest. Update firmware to the latest one, if it is not the latest.
2	Confirm whether the customer complain has been solved. If the customer complain occurs with the specific disc, use it for the operation check.	The customer complain must not be reappeared. Video, audio and operations must be normal.
3	Confirm playback error rates at the innermost and outermost tracks by using the following disc. DVD test disc (GGV1025)	The error rates must be less than 5.0e-4.
4	Play back a CD. (track search)	Audio and operations must be normal.
5	Play back a DVD. (Menu operation, Title/chapter search)	Video, audio and operations must be normal.
6	Check the tuner (AM and FM) operations.	Audio and operations must be normal.
7	Check the sound from headphone output.	Sound must be normal, without noise.
8	Check the appearance of the product.	No scratches or dirt on its appearance after receiving it for service.

See the table below for the items to be checked regarding video and audio:

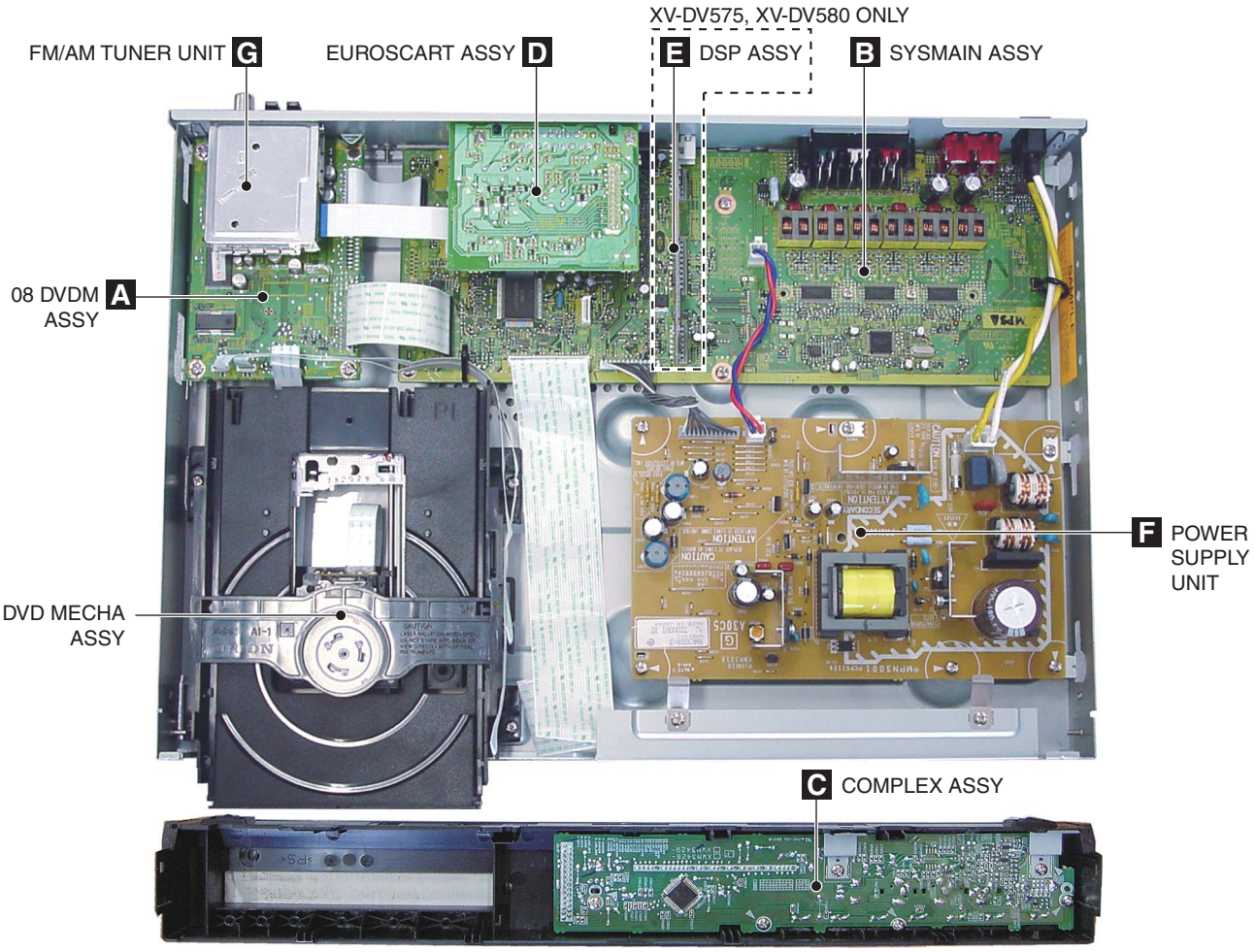
Item to be checked regarding video	Item to be checked regarding audio
Block noise	Distortion
Horizontal noise	Noise
Dot noise	Volume too low
Disturbed image (video jumpiness)	Volume too high
Too dark	Volume fluctuating
Too bright	Sound interrupted
Mottled color	

Cleaning

Before shipping out the product, be sure to clean the following positions by using the prescribed cleaning tools:

Position to be cleaned	Cleaning tools
Pickup lens	Cleaning liquid : GEM1004 Cleaning paper : GED-008

3.2 PCB LOCATIONS



NOTES: ● *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
● *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*

LIST OF ASSEMBLIES

Mark	No.	Description	Part No.
	1	08 DVDM ASSY (XV-DV575, XV-DV580)	AWM8118
	1	08 DVDM ASSY (XV-DV385K, XV-DV395K)	AWM8105
	1	DSP ASSY (XV-DV575, XV-DV580 ONLY)	AWX8706
	1	SYSMAIN ASSY (XV-DV575)	XWM3392
	1	SYSMAIN ASSY (XV-DV580)	XWM3395
	1	SYSMAIN ASSY (XV-DV385K)	XWM3391
	1	SYSMAIN ASSY (XV-DV395K)	XWM3394
	1	COMPLEX ASSY (XV-DV575, XV-DV580)	XWM3429
	1	COMPLEX ASSY (XV-DV385K, XV-DV395K)	XWM3428
NSP	1	NHTS JACK ASSY	AWM8034
	2	EUROSCART ASSY	AWU8291
⚠	1	POWER SUPPLY UNIT	XWR3018
	1	FM/AM TUNER UNIT	AXX7248
	1	DVD MECHA ASSY (for service)	A2ZX01A650

3.3 JIGS LIST

■ Jigs list

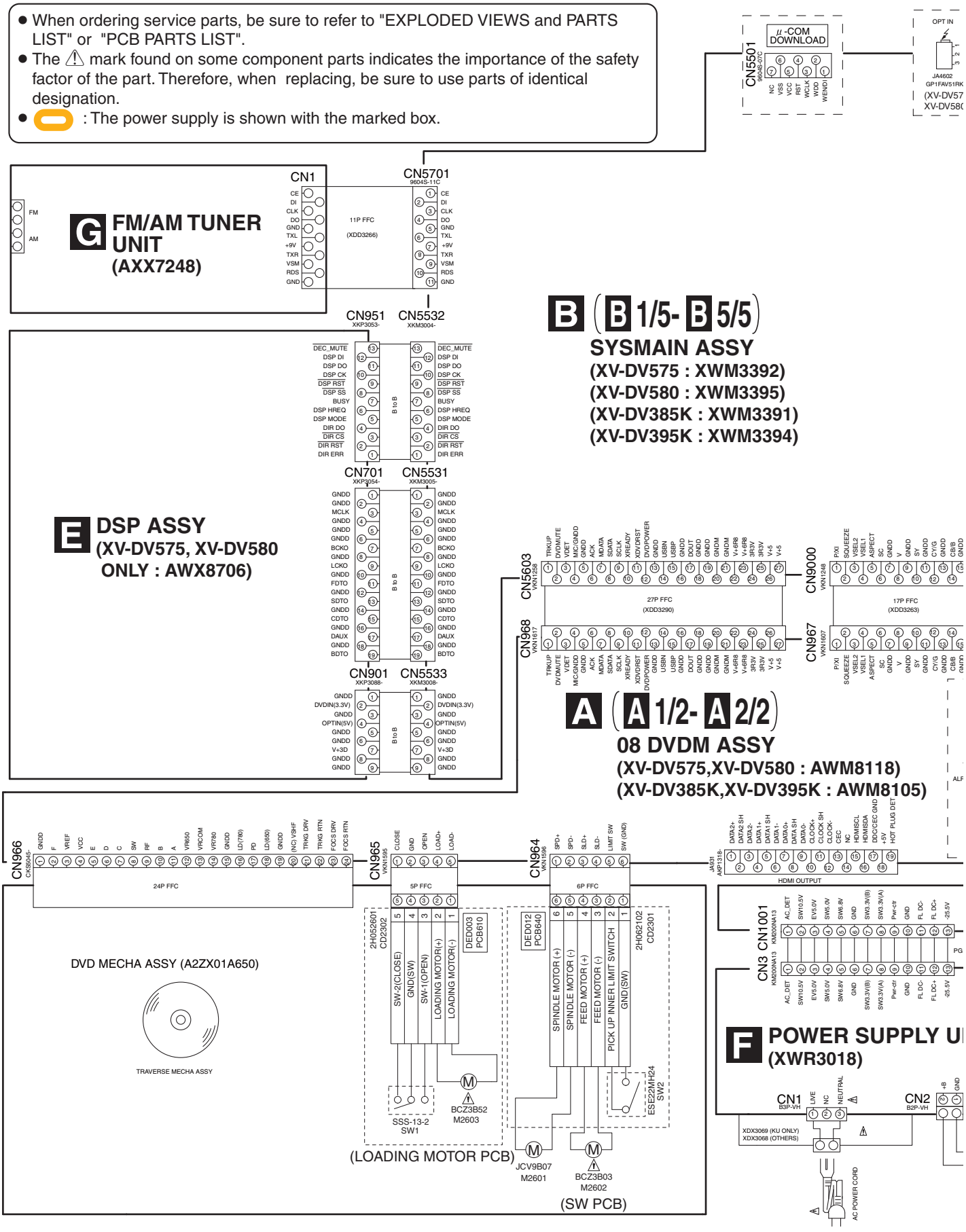
Name	Jig No.	Remarks
Service Remote Control Unit	GGF1381	Adjustment, diagnosis
DVD Test Disc (DVD-Video)	GGV1025	Check of DVD-Video
CD Test Disc	STD-905	Check of CD
DVD Data Disc	GGV1309	ID data setting
Speaker Cable with terminal	SDS1174 (FL/WHITE) SDS1175 (FR/RED), SDS1176 (SL/BLUE) SDS1177 (SR/GRAY), SDS6050 (C/GREEN)	For checking audio at the SP terminal

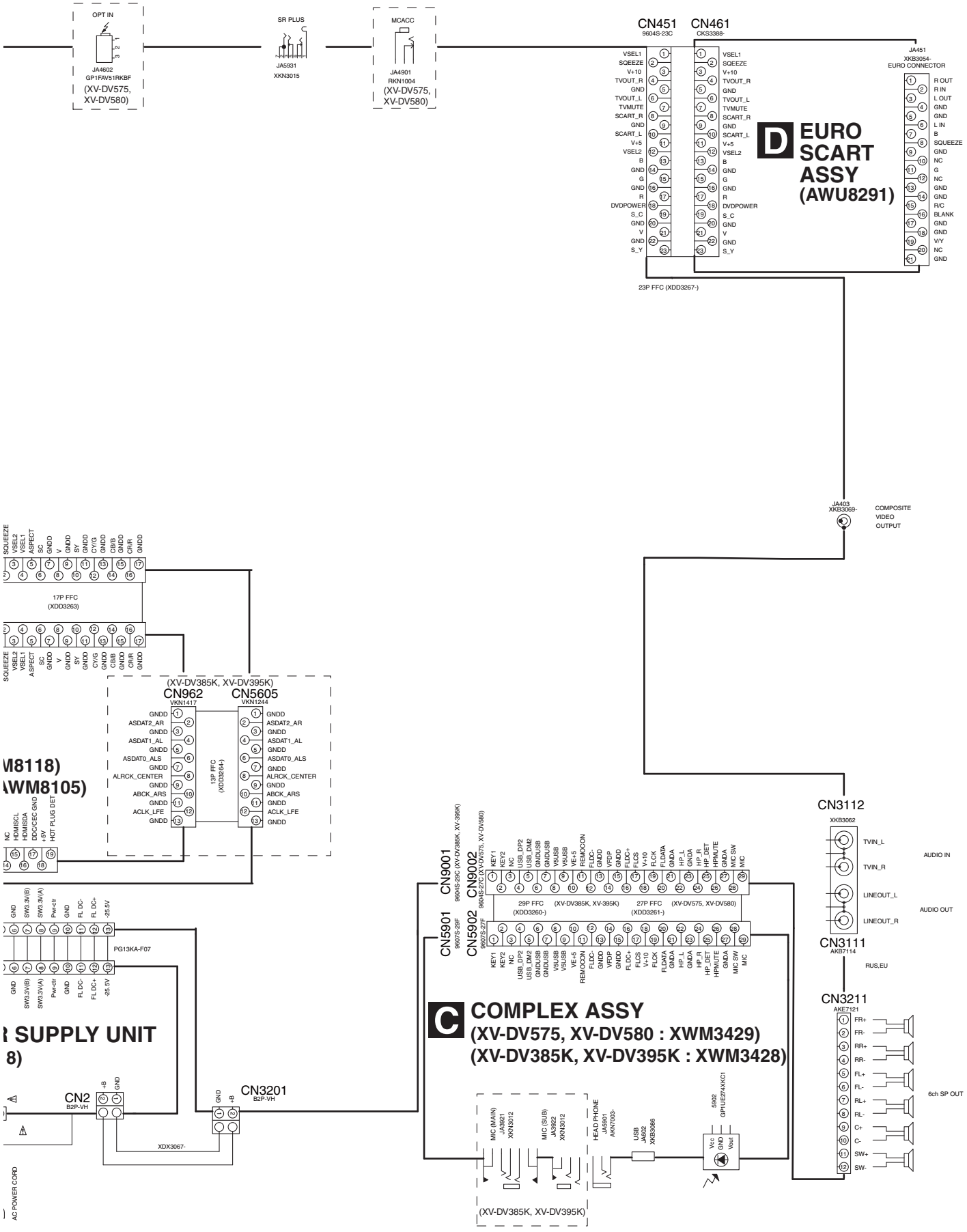
■ Lubricants and Glues list

Name	Lubricants and Glues No.	Remarks
Daifree	GEM1036 (ZLX-ME413A)	Refer to "9.3 DVD MECHA ASSY"
Lubricating oil	GYA1001 (ZLB-PN397B)	Refer to "9.3 DVD MECHA ASSY"
Grease	GEM1018	Refer to "9.3 DVD MECHA ASSY"

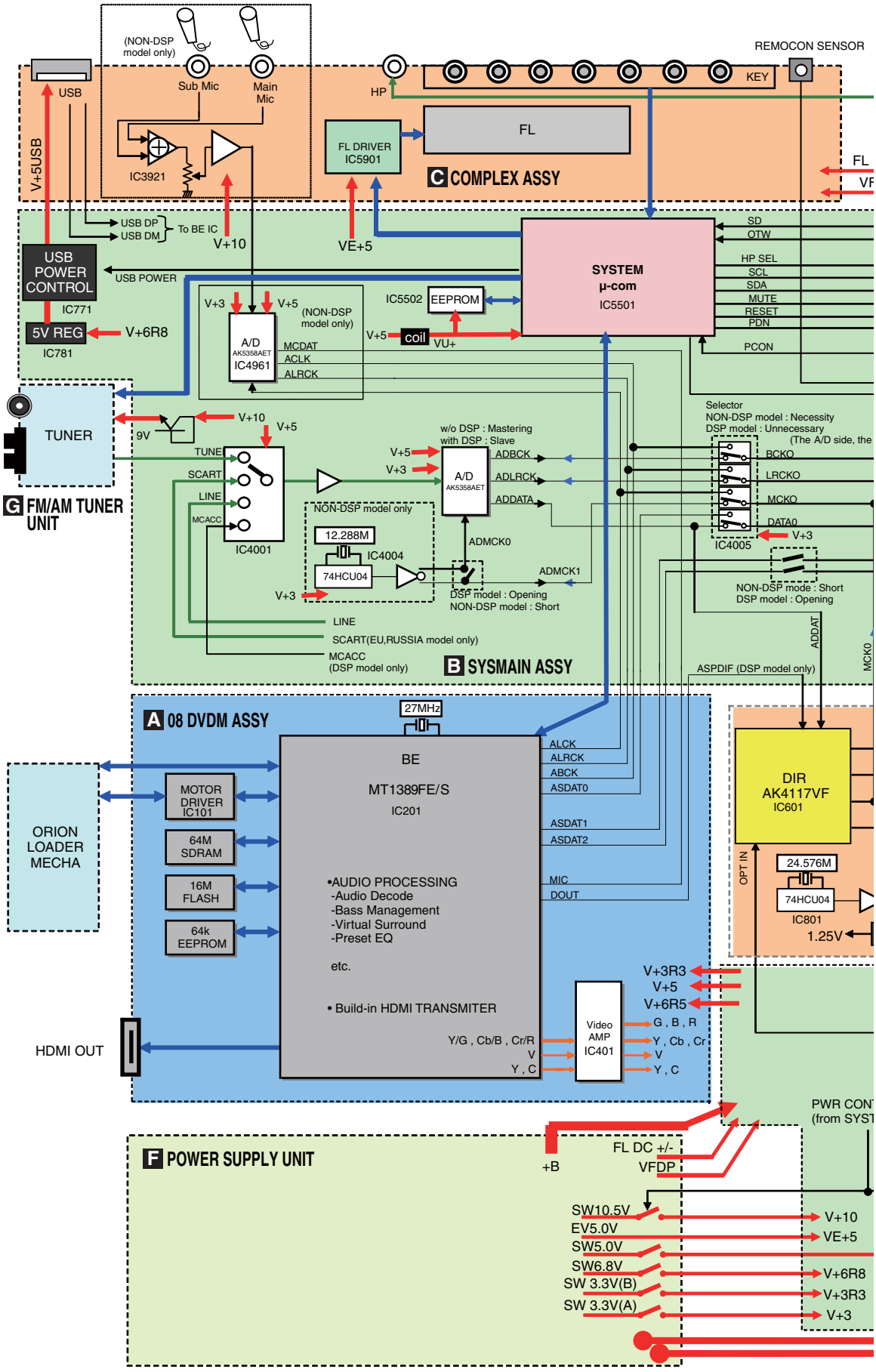
4. BLOCK DIAGRAM
4.1 OVERALL WIRING CONNECTION DIAGRAM

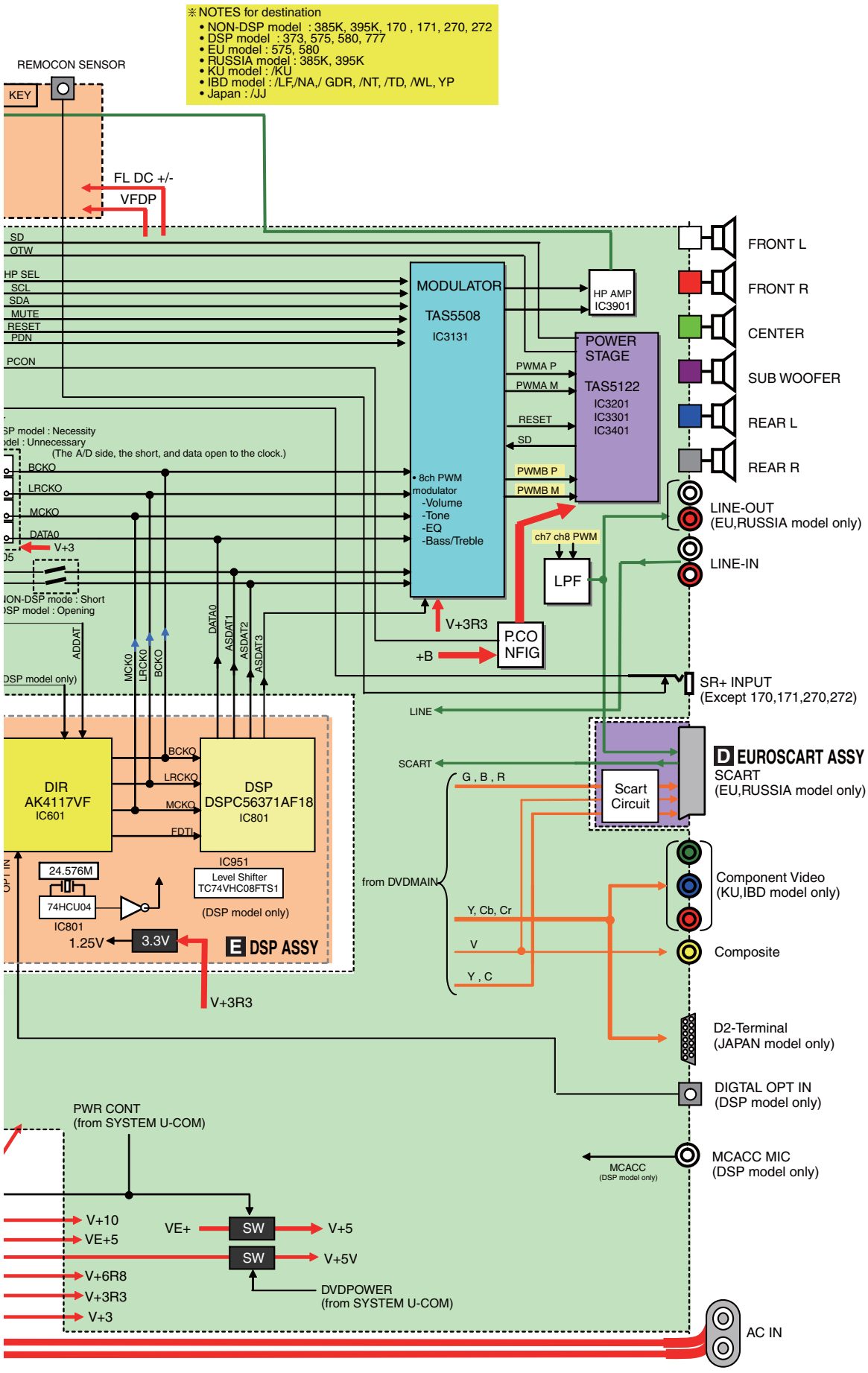
- When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".
- The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- : The power supply is shown with the marked box.



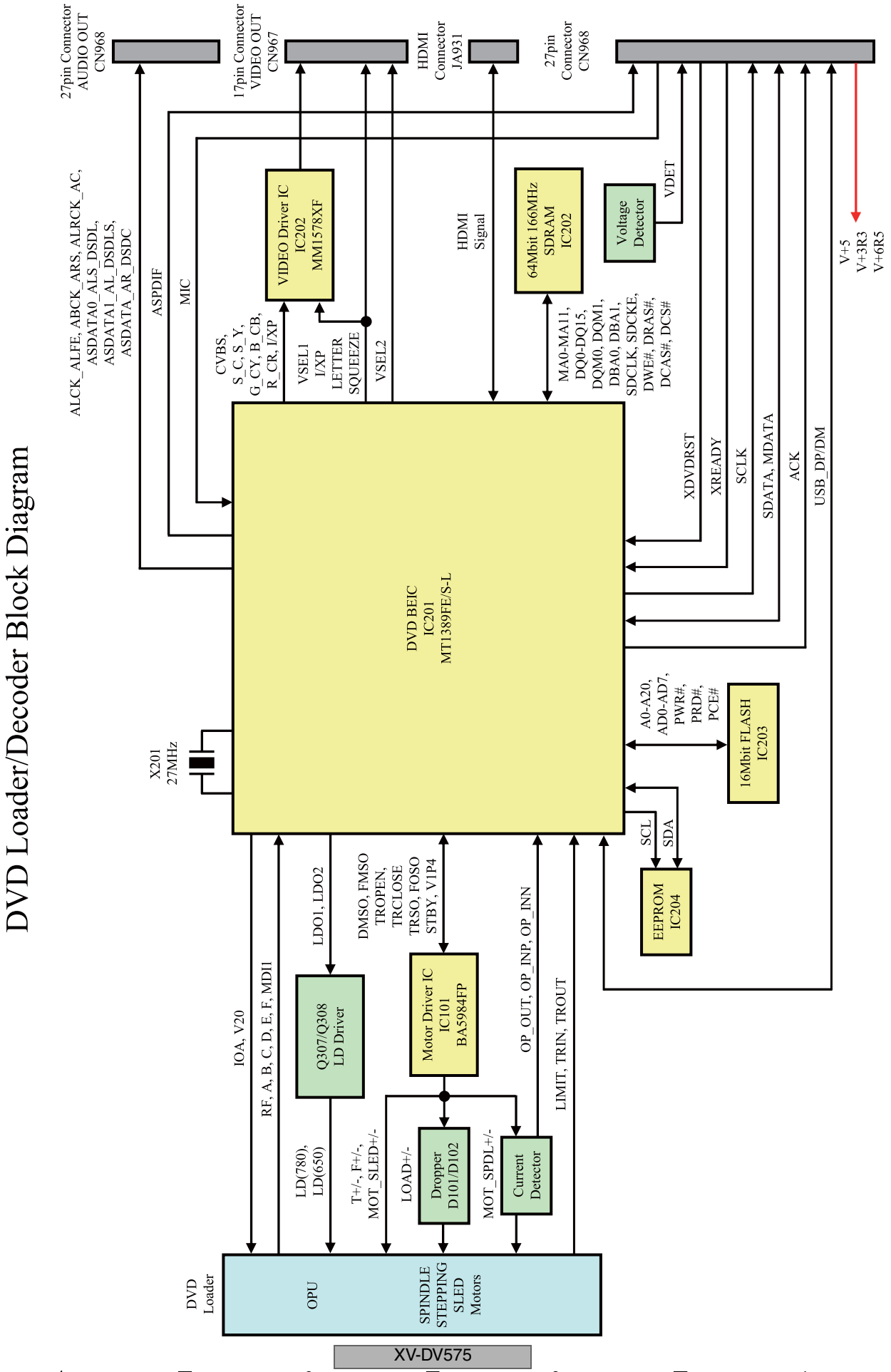

OPT IN
JA4602
GP1FAV51RKBF
(XV-DV575, XV-DV580)
SR PLUS
JA5931
XKN3015
MCACC
JA4901
RKN1004
(XV-DV575, XV-DV580)
CN451
9604S-23C
CN461
CKS3388-
VSEL1
SQEEZE
V+10
TVOUT_R
GND
TVOUT_L
TVMUTE
SCART_R
GND
SCART_L
V+5
VSEL2
B
GND
G
GND
R
DVDPOWER
S_C
GND
V
GND
S_Y
D EURO SCART ASSY (AWU8291)
JA451
XKB3054-
EURO CONNECTOR
R OUT
R IN
L OUT
GND
GND
L IN
B
SQUEEZE
GND
NC
G
NC
GND
GND
R/C
BLANK
GND
GND
V/Y
NC
GND
23P FFC (XDD3267-)
JA403
XKB3069-
COMPOSITE VIDEO OUTPUT
17P FFC
(XDD3263)
(XV-DV385K, XV-DV395K)
CN962
VKN1417
CN5605
VKN1244
GNDD
ASDAT2_AR
ASDAT1_AL
ASDAT0_ALS
ALRCK_CENTER
ABCK_ARS
ACLK_LFE
13P FFC
(XDD3264-)
M8118)
AWM8105)
NC
HDMISCL
HDMISDA
DDC/CEC GND
+5V
HOT PLUG DET
CN9001
9604S-29C (XV-DV385K, XV-DV395K)
CN9002
9604S-27C (XV-DV575, XV-DV580)
KEY1
KEY2
NC
USB_DP2
USB_DM2
GNDUSB
V5USB
VE+5
REMOCON
FLDC-
GNDD
VFDP
GNDD
FLDC+
FLCS
V+10
FLCK
FLDATA
GNDA
HP_L
GNDA
HP_R
HP_DET
HPMUTE
GNDA
MIC SW
MIC
29P FFC (XDD3260-)
(XV-DV385K, XV-395K)
27P FFC (XDD3261-)
(XV-DV575, XV-DV580)
CN5901
9607S-29F
CN5902
9607S-27F
CN3112
XKB3062
TVIN_L
TVIN_R
LINEOUT_L
LINEOUT_R
AUDIO IN
AUDIO OUT
CN3111
AKB7114
RUS,EU
CN3211
AKE7121
FR+
FR-
RR+
RR-
FL+
FL-
RL+
RL-
C+
C-
SW+
SW-
6ch SP OUT
PG13KA-F07
GND
SW3.3V(B)
SW3.3V(A)
Pwr-ctr
FL DC-
FL DC+
-25.5V
SUPPLY UNIT
8)
CN2
B2P-VH
+B
GND
CN3201
B2P-VH
XDX3067-
AC POWER CORD
C COMPLEX ASSY
(XV-DV575, XV-DV580 : XWM3429)
(XV-DV385K, XV-DV395K : XWM3428)
MIC (MAIN)
JA3921
XKN3012
MIC (SUB)
JA3922
XKN3012
HEAD PHONE
JA5901
AKN7003-
USB
JA602
XKB3086
5902
GP1UE27XKKC1
Vcc
GND
Vout
(XV-DV385K, XV-DV395K)

4.2 OVERALL BLOCK DIAGRAM




※NOTES for destination
• NON-DSP model : 385K, 395K, 170 , 171, 270, 272
• DSP model : 373, 575, 580, 777
• EU model : 575, 580
• RUSSIA model : 385K, 395K
• KU model : /KU
• IBD model : /LF,/NA,/ GDR, /NT, /TD, /WL, YP
• Japan : /JJ
REMOCON SENSOR
KEY
FL DC +/-
VFDP
SD
OTW
HP SEL
SCL
SDA
MUTE
RESET
PDN
PCON
MODULATOR
TAS5508
IC3131
HP AMP
IC3901
POWER
STAGE
TAS5122
IC3201
IC3301
IC3401
PWMA P
PWMA M
RESET
SD
PWMB P
PWMB M
• 8ch PWM
modulator
-Volume
-Tone
-EQ
-Bass/Treble
FRONT L
FRONT R
CENTER
SUB WOOFER
REAR L
REAR R
LINE-OUT
(EU,RUSSIA model only)
LINE-IN
ch7 ch8 PWM
LPF
P.CO
NFIG
V+3R3
+B
SP model : Necessity
del : Unnecessary
(The A/D side, the short, and data open to the clock.)
BCKO
LRCKO
MCKO
DATA0
V+3
ON-DSP mode : Short
SP model : Opening
ADDAT
DSP model only)
MCK0
LRCKO
BCKO
DATA0
ASDAT1
ASDAT2
ASDAT3
SR+ INPUT
(Except 170,171,270,272)
LINE
SCART
G , B , R
Scart
Circuit
D EUROSCART ASSY
SCART
(EU,RUSSIA model only)
DIR
AK4117VF
IC601
DSP
DSPC56371AF18
IC801
BCKO
LRCKO
MCKO
FDTI
IC951
Level Shifter
TC74VHC08FTS1
(DSP model only)
24.576M
74HCU04
IC801
1.25V
3.3V
E DSP ASSY
V+3R3
from DVDMAIN
Y, Cb, Cr
V
Y , C
Component Video
(KU,IBD model only)
Composite
D2-Terminal
(JAPAN model only)
DIGTAL OPT IN
(DSP model only)
PWR CONT
(from SYSTEM U-COM)
MCACC
(DSP model only)
MCACC MIC
(DSP model only)
V+10
VE+5
VE+
SW
V+5
SW
V+5V
V+6R8
V+3R3
V+3
DVDPOWER
(from SYSTEM U-COM)
AC IN

4.3 DVD LOADER/DECODER BLOCK DIAGRAM



5. DIAGNOSIS

5.1 METHOD FOR DIAGNOSING DEGRADATION OF THE LDS ON THE PICKUP

Case when this diagnosis is required :
When playback of any disc, including a test disc (DVD: GGV1025, CD: STD-905), cannot be performed

How to diagnose

In the case mentioned above, degradation of the laser diodes (LDs) mounted on the Pickup PCB is suspected.
Measure the voltage between the two ends of one of the resistors mentioned below.

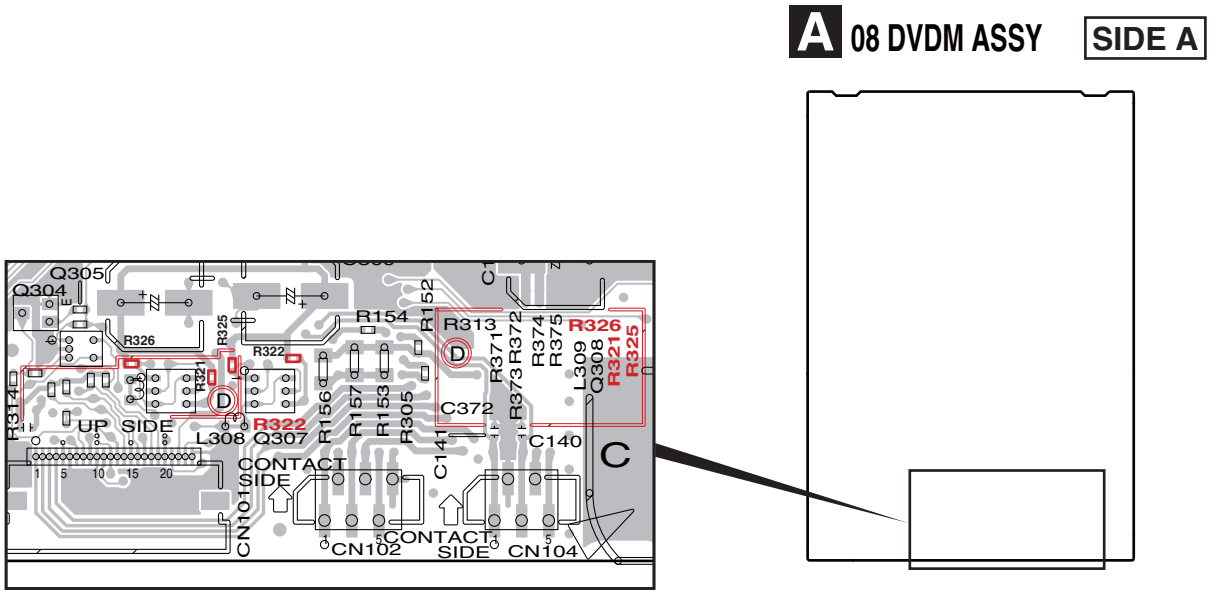
- **No playback of a DVD :**

  Measure the voltage between the two ends of R322 or R325 on the 08 DVDM Assy. If the voltage is 0.4 V or higher, the 650-nm LD is degraded.

- **No playback of a CD :**

  Measure the voltage between the two ends of R321 or R326 on the 08 DVDM Assy. If the voltage is 0.4 V or higher, the 780-nm LD is degraded.

If the measurements show degradation of an LD, replace the DVD MECHA Assy.



5.2 DVD TROUBLE SHOOTING

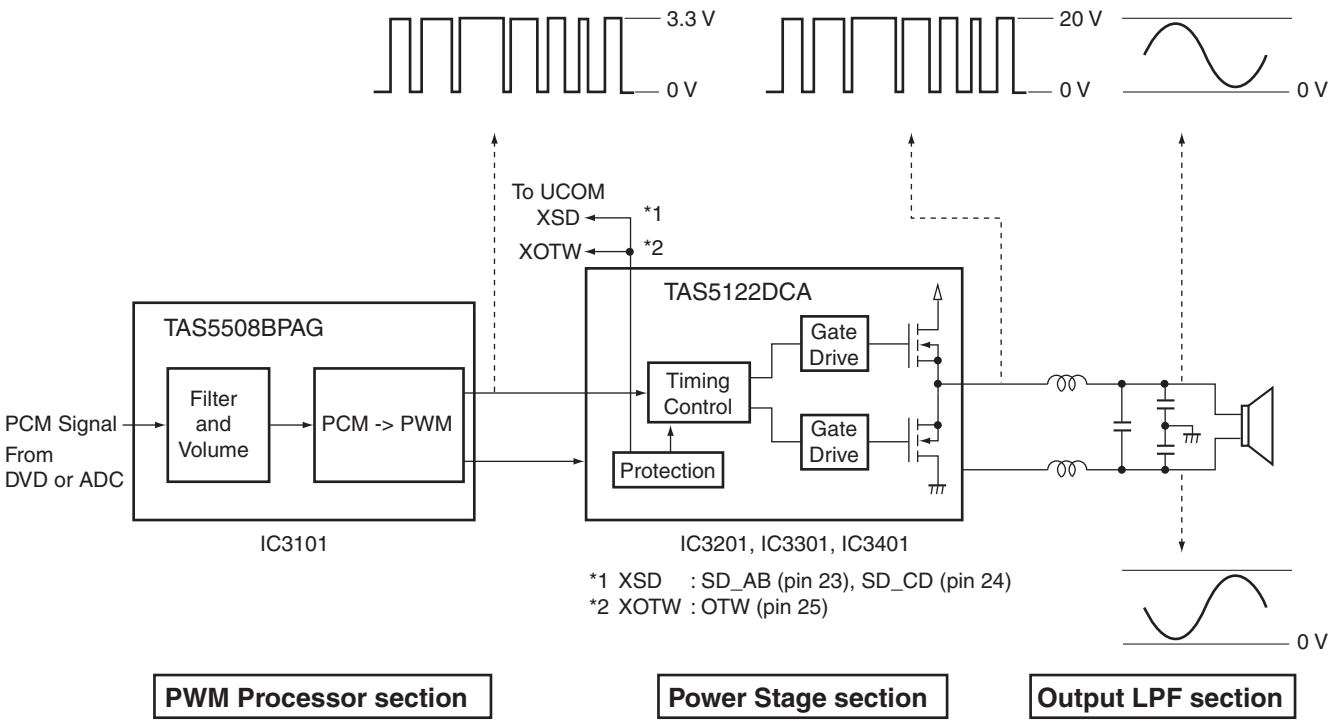
● Symptoms that may occur when any of the following ICs is in failure

IC	Symptoms
EEP ROM (08 DVDM Assy : IC204)	User's data cannot be stored in memory. The ID number is lost.
Flash ROM (08 DVDM Assy : IC203)	The power cannot be turned on. Downloading of the firmware cannot be performed.
DVD IC (08 DVDM Assy : IC201)	Any kind of symptoms (no power, a failure in any of the servo, video and audio systems, USB etc.) may be generated, because the DVD processing is performed by a single chip.
64M SDRAM (08 DVDM Assy : IC202)	No power. Block noise is generated during playback.

No.	Symptoms	Diagnosis Contents	Possible Defective Points
1	The power is not turned on.	Are wires of output connector (POWER SUPPLY Unit) and CN968 (08 DVDM Assy) disconnected or damaged ?	Connector / cable
		Check that the following voltage is output : CN968-pin 24 or pin 25 (08 DVDM Assy): 3.3 V	**POWER SUPPLY Unit**
2	An opening screen is not displayed on the monitor (The FL display lights. The mechanism does not work.)	Are the signals output from IC201-pin 97 (MDATA) and pin 98 (SCLK) on the 08 DVDM Assy ? (in the range of 0 - 3 V)	**08 DVDM Assy** DVD IC (IC201)
		Are the signals input into IC5501-pin 50 (MDATA) and pin 51 (SCLK) on the SYSMAIN Assy ? (in the range of 0 - 3V)	**SYSMAIN Assy** UCOM (IC5501)
		Check that the following voltage are output : Q1302-collector on the SYSMAIN Assy: 5V	**POWER SUPPLY Unit /** **SYSMAIN Assy** Q1302
		Is a resonator (X201: 27 MHz) on the 08 DVDM Assy oscillating ?	**08 DVDM Assy** Crystal resonator (X201) DVD IC (IC201)
		• Is a signal input into IC203-pin26 (PCE#) on the 08 DVDM Assy ? (Is a signal "H" for 80 ms and then "L" after the power is turned on ?) -> Communication with flash ROM. • Are the signals input into IC202-pin 16 (DWE#), pin 19 (DCS#) and pin 38 (SDCLK) on the 08 DVDM Assy ? (Is a signal fluctuating ?) -> Communication with SDRAM	**08 DVDM Assy** DVD IC (IC201) Flash ROM (IC203) SDRAM (IC202)
		Is a signal output from IC203-pin 28 (PRD#) on the 08 DVDM Assy? (Is a signal fluctuating for several hundred ms after the power is turned on ?)	**08 DVDM Assy** Flash ROM (IC203)
		Is a signal input into IC5501-pin 67 (DVD ACK) on the SYSMAIN Assy ? (Is a signal fluctuating ?) -> Communication with FL Control IC	**08 DVDM Assy** DVD IC (IC201) **SYSMAIN Assy** UCOM (IC5501)
		Is a signal output from IC5501-pin 78 (XREADY) on the SYSMAIN Assy ? (Is a signal fluctuating in the range of 0-5V ?)	**SYSMAIN Assy** UCOM (IC5501)
		Are the signals output from IC5501-pin 49 (SDATA) on the SYSMAIN Assy ? (in the range of 0-5V)	**08 DVDM Assy** DVD IC (IC201) **SYSMAIN Assy** UCOM (IC5501)
		Are the signals of IC204-pin 5 (SDA) and pin 6 (SCL) on the 08 DVDM Assy fluctuating for one or two seconds after the power is turned?	**08 DVDM Assy** EEPROM (IC204)
3	An opening screen is not displayed on the monitor (The FL display lights. The mechanism works.)	Check the video signal path between DVD IC (08 DVDM Assy IC201) and video-out terminal (see the block diagram)	**08 DVDM Assy** Video circuit after DVD IC (IC201)

No.	Symptoms	Diagnosis Contents	Possible Defective Points
4	A tray cannot be opened. (An opening screen is displayed on the monitor)	Does the voltage of CN965-pin 3 and pin 5 on the 08 DVDM Assy change normally ? Pin 3 (CLOSE (TRIN)): Tray is fully closed: "L" Pin 5 (OPEN (TROUT)): Tray is fully opened: "L"	**DVD MECHA Assy** Switch (SW1)
		Is the signal input into IC101-pin 1 (TROPEN) on the 08 DVDM Assy? At open: 3.3 V, At close: 0 V	**08 DVDM Assy** DVD IC (IC201)
		Are the signals output from CN965-pin 5 and pin 4 on the 08 DVDM Assy ? Pin 5: Approx. 5 V during opening tray approx. 1 V during closing tray. Pin 4: Approx. 0 V during opening tray approx. 6 V during closing tray.	**08 DVDM Assy** FTS Driver IC (IC101)
		Are wires of CN964 and CN965 on the 08 DVDM Assy disconnected or damaged ?	Connector / cable
		Does the voltage of CN964-pin 5 on the 08 DVDM Assy change to 0 V by pressing the Push switch.	Push switch (SW2)
5	Playback impossible (no focusing)	Are the signals output from IC101-pin 16 (F+) and pin 15 (F–) on the 08 DVDM Assy ?	**08 DVDM Assy** FTS Driver IC (IC101)
		Does 650-nm LD emit light ? Does a pickup lens move up / down ? Does an actuator spring bend ?	Pickup
		Are plastic parts damaged ? Or is a shaft detached ? Is the turntable detached or tilted ?	Mechanism section (motor)
		Is flexible cable of CN965 on the 08 DVDM Assy disconnected or damaged ?	Flexible cable / connector
		Is signal output from IC201-pin 41 (FOSO) on the 08 DVDM Assy ? (Device control of about 1.4 V is output usually. It is fluctuated by about 250 mV with focus up / down.)	**08 DVDM Assy** DVD IC (IC201)
6	Playback impossible (Spindle does not turn)	Are the signals output from IC101-pin 12 (MOT_SPDL–) and pin 11 (MOT_SPDL+) on the 08 DVDM Assy ? Is pin 21 (STBY) fixed LOW ? (pin 21 is High at playback: 3 V)	**08 DVDM Assy** FTS Driver IC (IC101)
		Is there any part detached from the spindle motor ? Or Is there any foreign object lodged in it ?	Mechanism section (Spindle motor)
		Are wires of CN964 on the 08 DVDM Assy disconnected or damaged ?	Flexible cable / connector
		Is signal output from IC201-pin 36 (DMSO) on the 08 DVDM Assy ?	**08 DVDM Assy** DVD IC (IC201)
7	Playback impossible (Playback stops)	Does 650-nm LD deteriorate ? If the voltage at each both ends of R322 and R325 on the 08 DVDM Assy is 0.4 V or more, the 650-nm LD is definitely deteriorated.	650-nm LD deteriorated. (When playback of a DVD is impossible)
		Does 780-nm LD deteriorate ? If the voltage at each both ends of R321 and R326 on the 08 DVDM Assy is 0.4 V or more, the 780-nm LD is definitely deteriorated.	780-nm LD deteriorated. (When playback of a CD is impossible)
		Are there scratches or dirt on the disc ?	Disc
8	Picture disturbance during playback (block noise, freeze, other)	Are there scratches or dirt on the disc ? Is there a problem with the format of the disc ?	Disc
		Check the video signals. Composite video signal (IC401-pin 23) S video signal (IC401-pin 21, pin 26) RGB video signal (IC401-pin 16, pin 18, pin 20)	**08 DVDM Assy** DVD IC (IC201) Video IC (IC401)
9	No sound (Picture is normal)	Check the waveform (ALCK: IC201-pin 231), (ALRCK: IC201-pin 227), (ABCK : IC201-pin 230), (ASDATA0/1/2: IC201-pin 226/225/223). Check the waveform (ASPDIF: IC201-pin 215)	**08 DVDM Assy** DVD IC (IC201)

5.3 CIRCUIT DESCRIPTION OF DIGITAL AMP SECTION



PWM Processor section

The PCM signals output from the DVD decoder or AD converter are input to this section, and their volume and sound quality are digitally adjusted. At the output stage, after conversion from PCM to PWM, the signals are output to the Power stage.

Power Stage section

In this section, timing is controlled so that the MOSFETs on the high and low sides will not be turned on simultaneously. The voltage of the PWM signals are raised to drive the gates of the MOSFET, and the PWM signals to drive the speakers are output from the MOSFET at the output stage. Detection and protection functions against short-circuiting of the output signals and temperature exceeding the standard value are also provided.

If the detection and protection work, the ports of the power stage ICs become the following state.

Power Stage ICs No.	Protection Enable State
IC3201	SD_AB (pin 23) => L
IC3301	SD_CD (pin 24) => L
IC3401	OTW (pin 25) => L

Output LPF section

The carrier elements, high-frequency signals that are unnecessary for these speakers, are eliminated. The signals passed through the LPF will become sine-wave signals, as shown in the figure above.

5.4 SPECIFICATIONS OF PROTECTION CIRCUITS FOR DIGITAL AMP SECTION

The protection circuits for the Digital Amplifier are activated, following the specifications shown below. The error indication on the FL display shows the reason a protection circuit was activated.
Upon diagnosis of the Digital Amplifier, refer to the specifications for the protection circuits here and the overview of the Digital Amplifier circuitry.

1. Overview

The system microcomputer monitors the ports for shutdown requests (pin 23: SD_AB and pin 24: SD_CD) and the ports for abnormal-temperature detection (pin 25: /OTW) of the Power Stage ICs (IC3201, IC3301, and IC3401). As soon as any abnormality is detected, it shuts the unit down.
To notify the user of the possibility of a too high a volume, when the unit is turned on the next time, the volume level will be set to 0, and an error message will be displayed on the FL display.

2. Ports on the system microcomputer to be used for detection

Pin 77: SHUTDOWN
Low voltage at this pin means overcurrent or voltage too low (= V+B27) at a Power Stage IC.

Pin 79: XOTW
Low voltage at this pin means the temperature at the Power Stage ICs exceeded 125 °C.

Note: As one Power Stage IC is provided with two channels, three Power Stage ICs (in total 6 channels) are mounted in this unit. For abnormality detection, the unit implements a logical OR operation regarding these three ICs. Therefore, which IC is abnormal cannot be known directly. To find which IC is abnormal, it is required to check the PWM outputs (pins 35, 38, 47, 50) of the each power stage ICs (IC3201, IC3301, IC3401).

3. Detection timing

Start : Detection starts 500 ms after the PWRCONT port (pin 84) of the system microcomputer becomes active by your pressing the STANDBY/ON key.

Finish : When the STANDBY/ON key is pressed again (when the power-off process starts).

4. Operation of the protection circuits

The following three protection circuits are activated when the conditions shown below are met:

Overcurrent detection: Indication on the FL display: OC ERROR
Conditions: If the SHUTDOWN ports, which are monitored every 10 ms, become low 7 times in succession

Abnormal temperature detection 1: Indication on the FL display: OVERTEMP
Conditions: If the XOTW ports, which are monitored every 10 ms, become low in succession for one minute.

Abnormal temperature detection 2: Indication on the FL display: OVERTEMP
(Prerequisite: The XOTW ports, which are monitored every 10 ms, become low three times in succession.)
Conditions: The above prerequisite is upheld, and the conditions for an overcurrent detection are met.

Abnormal temperature detection 3: Indication on the FL display: OVERTEMP
Conditions: The PCONFIG ports (pin 21), which are monitored every 30 ms, become more than 2 Vrms more than 45 % in one minute.

5. Process when the protection circuits are activated

The unit is shut down within 30 ms after abnormality detection then the volume level is set to 0. The unit can be turned on immediately after the shutdown.

6. SERVICE MODE
6.1 TEST MODE

■ Test Mode Functional Specification

① Test mode entry

In the power ON state, press the [ESC] key and [TEST] key in order of the Test mode remote control unit.

- OSD displays test mode.

② LD ON

Enter the test mode.

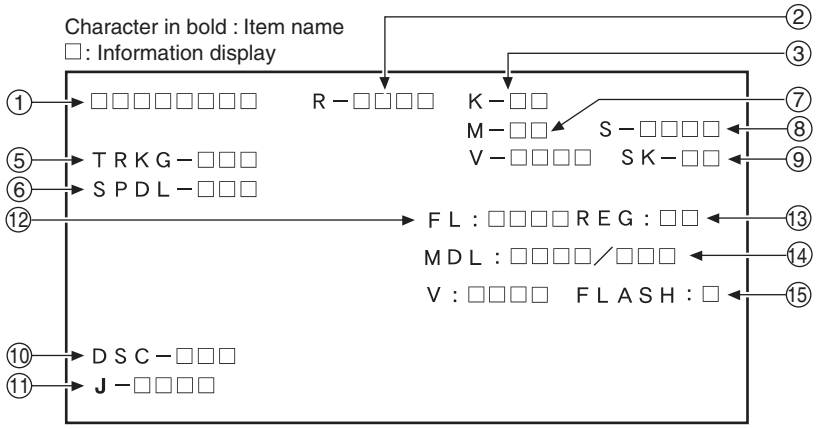
DVD : Press the [TEST] and [1] keys in order, and turn on the laser diode (650 nm).

CD : Press the [TEST] and [4] keys in order, and turn on the laser diode (780 nm).

③ Release the Test mode

- Turn off the power.
- Press the [ESC] key of the remote control unit and reset it.

6.2 DISPLAY SPECIFICATIONS OF THE TEST MODE



① **Address indication**
The address being traced is displayed in number.
(as for the DVD, indication of decimal number is possible.)
DVD : ID indication (hexadecimal number, 8 digits)
[* * * * * * * *]
CD : ID indication [* * * * * * * *]

② **Code indication of remote control unit [R – * * * *]**
In case of double code, display a 2nd code.

③ **Main unit keycode indication [K – * *]**

⑤ **Tracking status [TRKG – * * *]**
Tracking on : [ON]
Tracking off : [OFF]

⑥ **Spindle status [SPDL – * * *]**
CLV : [CLV]
Off : [OFF]

⑦ **Mechanism (loading) position value [M – * *]**
Unknown : [01] or [41]
Open state : [04]
Close state : [08]
During opening : [12]
During closing : [22]

⑧ **Slider position [S – * * * *]**
In Side Switch ON : [01]
In Side Switch OFF: [00]

⑨ **Output video system [V – * * * *]**
NTSC system : [NTSC]
PAL system : [PAL]
Automatic setting: [AUTO]
Scart terminal output [SK – * *]
(Display only the WY model which can do the output setting of scart terminal.)
VIDEO : [00]
S-VIDEO : [01]
RGB : [02]

⑩ **Disc sensing [DSC – * * *]**
The type of discs loaded is displayed.
[DVD], [CD]

⑪ **Jitter value [J – * * * *]**
Note: Don't use it.

⑫ **Version of the FL controller [FL: * * * *]**
Note: Don't use it.

⑬ **Region setting of the player [REG: *]**
Setting value : [1] to [6]

⑭ **Destination setting of the FL controller [MDL: * * * * / * * *]**
Four characters in the front represent code 01.
Three characters in the back represent the destination code.
J: Japan, K: North America, R: General Area,
LB: Taiwan, WY: Europe, TH: Thai, RAM: China

⑮ **Version of the flash ROM [V: * *. * *]**
Flash ROM size [FLASH = * *]

6.3 FUNCTIONAL SPECIFICATIONS OF THE SHORTCUT KEY

Only during normal playback, the following shortcut keys can be assigned by pressing a required key after pressing the ESC key of the remote control unit. To quit, press the ESC key

Command Contents	Conditions	Remote Control Key Name
Memory clear and region / revision indication		CLEAR (*1)
Average value measurement of DVD error rate		5 (*1)
CD error rate measurement		5 (*1)
Scart terminal output : VIDEO	Models equipped with Scart terminal	AUDIO
Scart terminal output : S-VIDEO		SUBTITLE
Scart terminal output : RGB		ANGLE
Progressive OFF	Only for progressive models	R_SKIP
Progressive ON		F_SKIP
HDMI Resolution : 1920 x 1080p	Only for HDMI models	PROGRAM
FL indication of ID number		STEREO (*1)
ZOOM ON (x4)		ZOOM
Service mode indication (error rate indication, etc.)		CHP/TIM (*1)
Model information indication		CHAP (*1)
Title search Input mode IN Title No. input Search execution		SIDE A (*1) Numbers (*1) PLAY (*1)
Region confimation mode		A.MON (*1) Numbers (*1)

*1 : Test mode remote control unit

• Service mode indication (ESC + CHP/TIM keys)

ID Address
The error rate is always displayed in exponential notation, e.g., *.* * e - *, for both DVDs and CDs.
EDC/ID/AV 1 error history (ID Address, EDC/ID Error, last eight errors)

• Calculation of the average error rate (ESC + "5" [Test mode remote control unit] keys)

The average of the last eight error rates is calculated and indicated in exponential notation. After the calculation is completed, "OK" or "NG" is displayed. If "NG" is displayed, the disc tray will open (for both DVDs and CDs)
For DVDs: OK with 5.0e-4 or less, for CDs: OK with 7.6e-3 or less

• Indication of model information (ESC + CHAP keys)

For details, see 6.4.

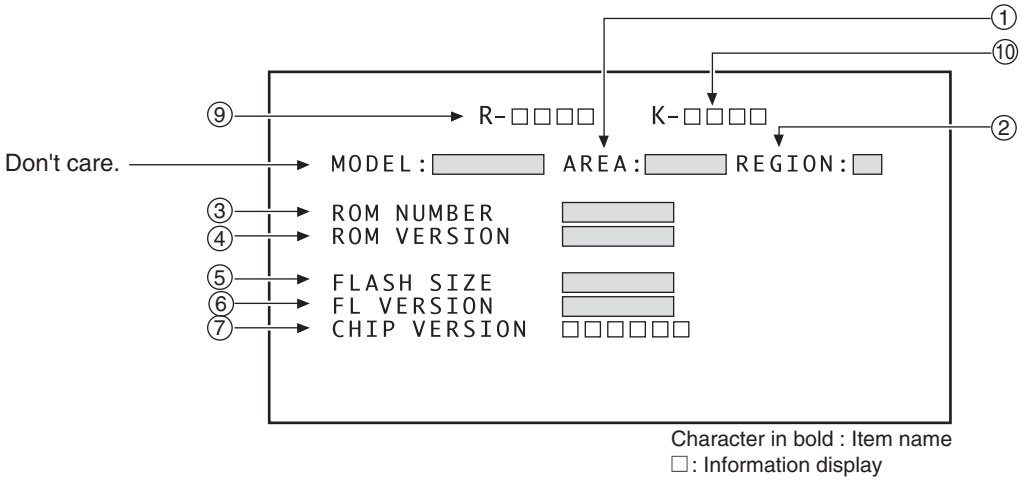
• Region confirmation mode (ESC + A.MON [Test mode remote control unit] + "1"-"6" [Test mode remote control unit] keys)

After you press the A.MON key while holding the ESC key pressed and then input the region number, if the number is different from that set in the unit, an error message is displayed, and the tray opens.

6.4 SPECIFICATIONS OF MODEL INFORMATION DISPLAY

To display model information : Press the ESC key then the CHAP key.
To close the model information display : Press the ESC key.

• Display contents



① **Destination indication**
Display it according to model information set from the FL controller.
② **Region No.**
③ **Part number**
④ **ROM version**
⑤ **Flash size**

⑥ **FL controller version**
⑦ **CHIP VERSION**

⑨ **Remote control code**
⑩ **Key code of Main unit**

6.5 FUNCTIONAL SPECIFICATIONS OF THE SERVICE MODE

• Display during Service Mode

To enter Service Mode, press the CHP/TIM key while holding the ESC key pressed.
To quit, press the ESC key.

Service mode display

① ID Address
② Error rate (always displayed), in exponential notation

ERROR RATE : * * * * * * *
(* * * *)
Number of error

• Calculation of the average error rate
For DVDs: OK with 5.0e-4 or less, for CDs: OK with 7.6e-3 or less

ex) For DVDs

• Step 1		• Step 2	
△△e - □		△△e -4	
△△e -6	: OK	3.0e -4	: OK
△△e -5	: OK	4.0e -4	: OK
△△e -4	: Refer to Step 2	5.0e -4	: OK
△△e -3	: NG	6.0e -4	: NG
△△e -2	: NG	7.0e -4	: NG

③ EDC/ID error history (ID Address, EDC/ID errors, last eight errors)

Note:
* Error of AV1 is not supported in this player.

Indication plan contents

Character in bold : Item name
□: Information display

6.6 SERVICE TEST MODE

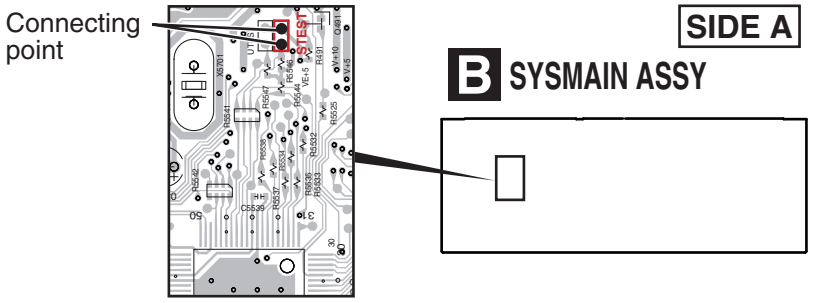
1. Configuration and conditions during checking

- Emergency shut down will not happen even if breakdown happens in the Service Test mode. (Just ignore it)
- POWER ON in test mode can be done in less than 1 minute even when emergency shut down happens when error is detected.
- Total power on time can be checked.

2. Switching to the Test Mode

- AC power on when the STEST port (pin 43) is set to HIGH (5 V).
  * Initial function is DVD/CD.
- AC power on by pressing the STOP key and POWER key on the front panel at the same time.
  The set will automatically power on and the following display will appear.
- The FL display during TEST MODE entry is different depending on whether NORMAL POWER OFF occurred before entering the TEST MODE or EMERGENCY SHUT DOWN occurred due to error detection.

■ Service Test Mode connecting point



[After NORMAL POWER OFF]

[display]

WELCOME ⇩ VOL 0 ⇩ DVD SERV

[After AMP error]

[display]

PRTCT E ⇩ VOL 0 ⇩ DVD SERV

[After DVD error]

[display]

DVDPRTCT ⇩ VOL 0 ⇩ DVD SERV

[After EEPROM error]

[display]

EEP ERR ⇩ VOL 0 ⇩ DVD SERV

[After ABNORMAL TEMP. DETECTION]

[display]

OVERTEMP ⇩ VOL 0 ⇩ DVD SERV

[After OVERCURRENT DETECTION1]

[display]

OC ERR 1 ⇩ VOL 0 ⇩ DVD SERV

[After OVERCURRENT DETECTION2]

[display]

OC ERR 2 ⇩ VOL 0 ⇩ DVD SERV

* Either POWER OFF or AC OFF to get out from TEST MODE.
* When the TEST MODE is released, only the RAM which stores the error status will be initialized.
  (RAM that can be set by the user will not initialized.)

3. Operation

- Basically, operation is the same as the NORMAL MODE.
  However, the following display will be indicated when function is changed to show that the TEST MODE is in operation.

[For DSP Model Only]

[Function]	[display]	
DVD/CD	DVD SERV	
USB	USB SERV	
TUNER	TX SERV	
LINE1	LN1 SERV	(Digital input for Japan and IBD model, SCART for Europe)
LINE(2)	LN2 SERV	(Analog input for Japan and IBD model, digital for Europe)
LINE(3)	LN3 SERV	(Europe only, analog input)

[For NON-DSP Model Only]

[Function]	[display]	
DVD/CD	D V D S E R V	
USB	U S B S E R V	
TUNER	T X S E R V	
LINE1	L N 1 S E R V	(Europe)
LINE(2)	L N 2 S E R V	(general Line function)

[Only for models without DSP]

- When function is switched to LINE 2 (LINE for areas beside Europe, Japan), SURROUND mode will switch to X-STEREO (5CH STEREO) just for the TEST MODE. (NORMAL MODE: 2CH STEREO)
  At this point, sound checking can't be done using HP.
  (HP operation cannot be guaranteed for X-STEREO (5CH STEREO))
  All functions, other than LINE2 (LINE for areas besides Europe) can be used for sound checking using HP.

[Models with DSP]

- Change the ADV mode to X-STEREO (5 ch STEREO) mode for multi CH output.

4. Errors

- BREAKDOWN CATEGORY: Depends on the error displayed during POWER ON.

P R T C T E

Protect circuit is operating.

1. Depending on the different power supply abnormalities, V+10, V+5, V+3R3 short-circuit occured or V+10, V+5, V+3R3 has exceeded the stipulated standardized values.

2. In the system microP (PDC175A, PDC176A) somewhere, the XPROTECT line has either shorted to ground or has been disconnected.

D V D P R T C T

Abnormal DVD.

1. Depending on the power supply abnormalities, V+6R8, V+5V, V+3 short-circuit occured or V+6R8, V+5V, V+3 has exceeded the stipulated standardized values.
2. In the system microP (PDC175A, PDC176A) somewhere, the VDET line has either short to ground or disconnected.

E E P E R R

1. Communication line to the EEPROM could either be disconnected or short.
2. The EEPROM IC itself could be faulty.

O C E R R 1

- If error display does not come on again when POWER ON in the NORMAL MODE, this could mean that the speaker terminal is short.
- If error display comes on, the following conditions are some possibilities:
  1. In the AMP Block, either one or more of the digital amp IC has broken down.
  2. Short-circuit occurred somewhere between the faulty IC(s) and speaker terminal.
  3. The XSD SHUTDOWN line has either short to ground or disconnected somewhere between the faulty digital amp IC and system microP (PDC175A, PDC176A).

O C E R R 2

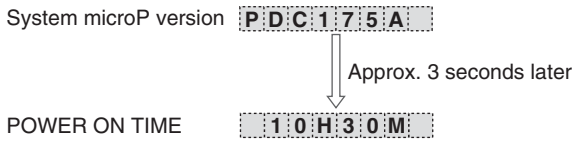
- The error is mainly caused by the short circuit at the POWER SUPPLY Unit .
- The error will also occur when V+BSW is too low.

O V E R T E M P

- No abnormality if "OVERTEMP" display does not come on when POWER ON in the NORMAL MODE again. (The TEMP could have just gone up temporarily. Try reducing the volume)
- When the "OVERTEMP" display comes on again, the following conditions are some possibilities:
  1. In the AMP Block, either one or more of the digital amp IC has broken down.
  2. The XOTW line has either short to ground or disconnected somewhere between the faulty digital amp IC(s) and system microP (PDC175A, PDC176A).

5. Total Power on Time Display

- If STOP key is pushed continuously for 8 sec during POWER ON, the total POWER ON time will come on after the system microp version display.

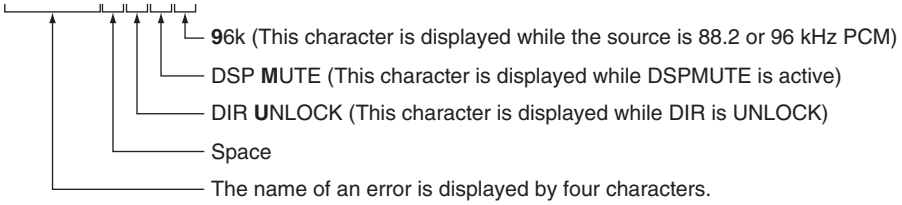


6. DSP Error Display (for models with DSP only)

- During POWER ON, you can switch between DSP error display <=> Normal display when the SOUND key on the remote control is pressed.

6.7 DISPLAY SPECIFICATIONS OF DSP ERROR

[FL display] ○○○○-UM9


96k (This character is displayed while the source is 88.2 or 96 kHz PCM)
DSP MUTE (This character is displayed while DSPMUTE is active)
DIR UNLOCK (This character is displayed while DIR is UNLOCK)
Space
The name of an error is displayed by four characters.

[Example]

ERR.0 DIER-UM Cannot receive data from the DIR
--> Probably due to faulty DIR or bad connection

ERR.1 DSER-UM Cannot receive data from the DSP
--> Faulty communication between DIR and DSP
--> Probably due to faulty DSP or connection on the circuit board

ERR.2 HREQ-UM No HREQ return value
--> Probably due to faulty DSP

ERR.3 DSNG-UM DSP error message
--> Faulty communication between the DIR and DSP
--> Probably due to faulty DSP

ERR.4 DMUT-M DECMUTE on all the time
--> Faulty communication between the DIR and DSP
--> Probably due to faulty DSP

NO ERR DSOK-9 96 kHz source play
(the source is 88.2/96 kHz.)

NO ERR DSOK- No abnormality
(the source is not 88.2/96 kHz.)

DSP error message mode

Press "SOUND" button in service test mode to show DSP error message displays.
Press "SOUND" again to select normal service test mode.
This means that the usual function of "SOUND" is not effective in the service test mode.

7. DISASSEMBLY

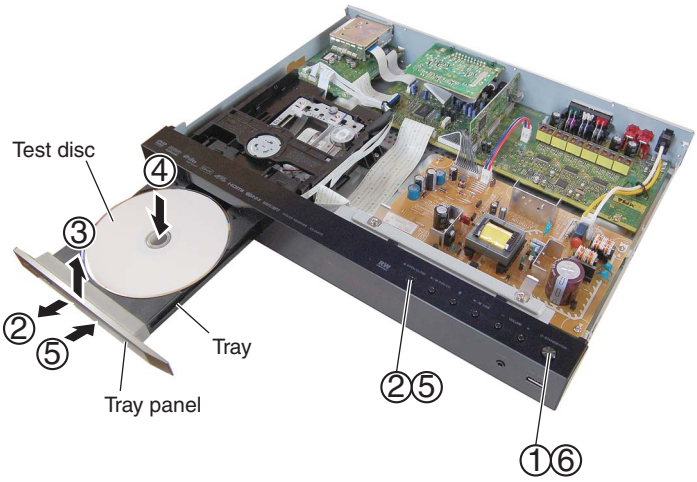
Note 1: Do NOT look directly into the pickup lens. The laser beam may cause eye injury.
Note 2: Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

Disassembly

1 Bonnet, Tray Panel

❶ Remove the bonnet by removing the nine screws.

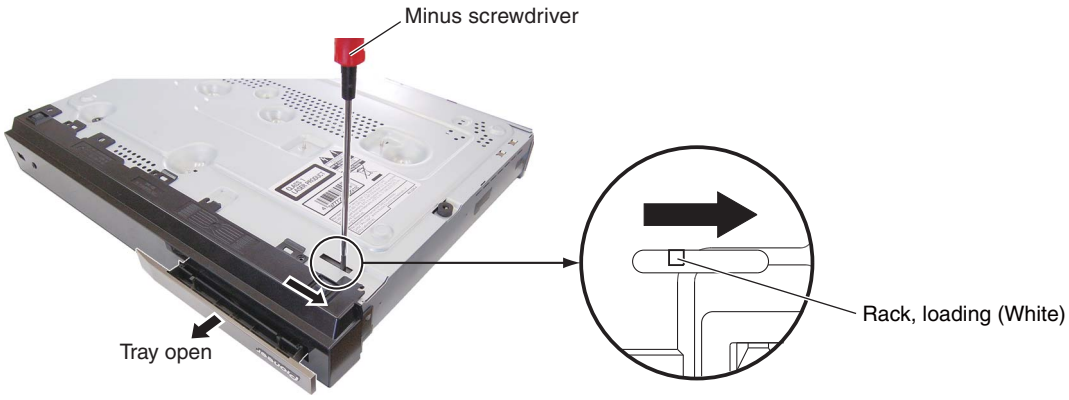
① Press the ⏻ STANDBY/ON button to turn on the power.
② Press the ⏏ OPEN/CLOSE button to open the tray.
③ Remove the tray panel.
④ Set the test disc.
⑤ Press the ⏏ OPEN/CLOSE button to close the tray. (Test disc is clamped.)
⑥ Press the ⏻ STANDBY/ON button to turn off the power.
⑦ Pull out the Power cord.



How to open the tray when the power cannot be on

1. Slide the rack, loading (White) toward the arrow direction by using a minus screwdriver to release the lock.
2. Manually open the tray.

NOTE:
Please strongly pushing rack, loading (White) to release the lock because the tray doesn't go out easily.

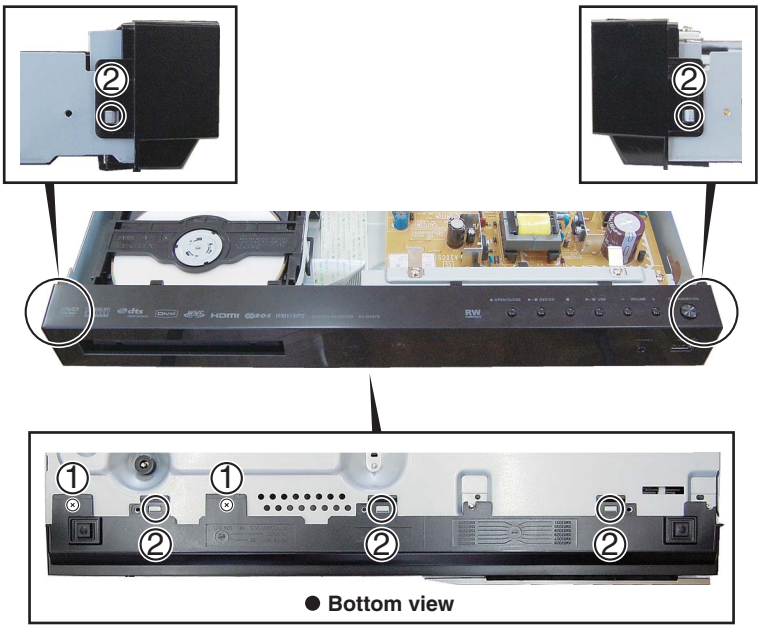


● **Bottom view**

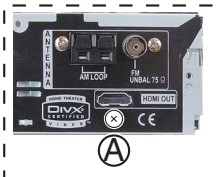
2 Front Panel Section

① Remove the two screws.

② Unhook the five hooks.



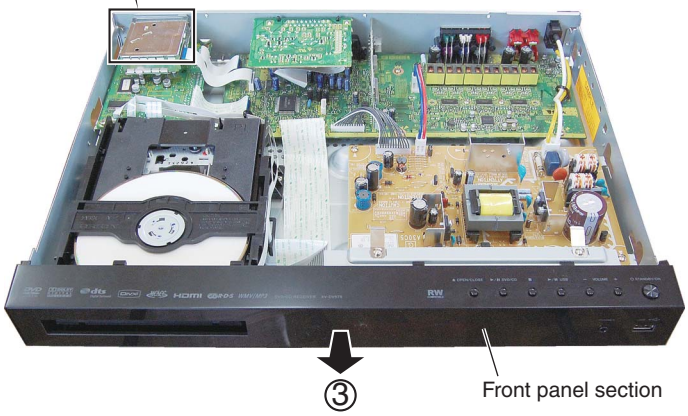
● Bottom view



Ⓐ

Note Ⓐ: Do not use an electric screwdriver. If the screws are over-tightened, the screw threads may be damaged.

③ Remove the front panel section.

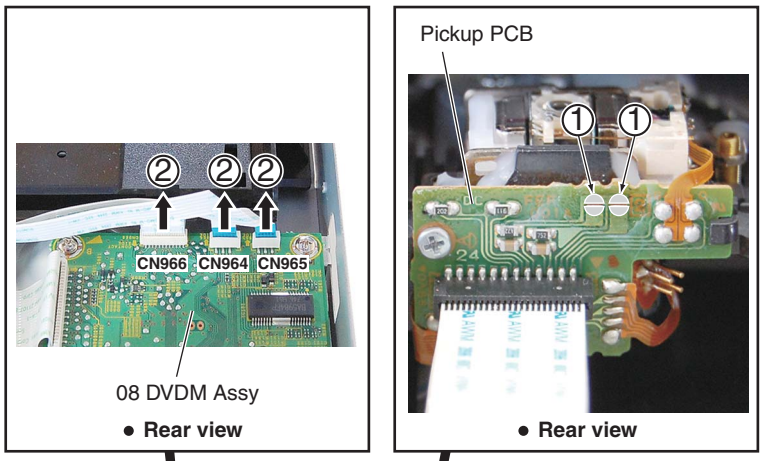


3 DVD MECHA Assy

① Short-circuit two positions soldering.

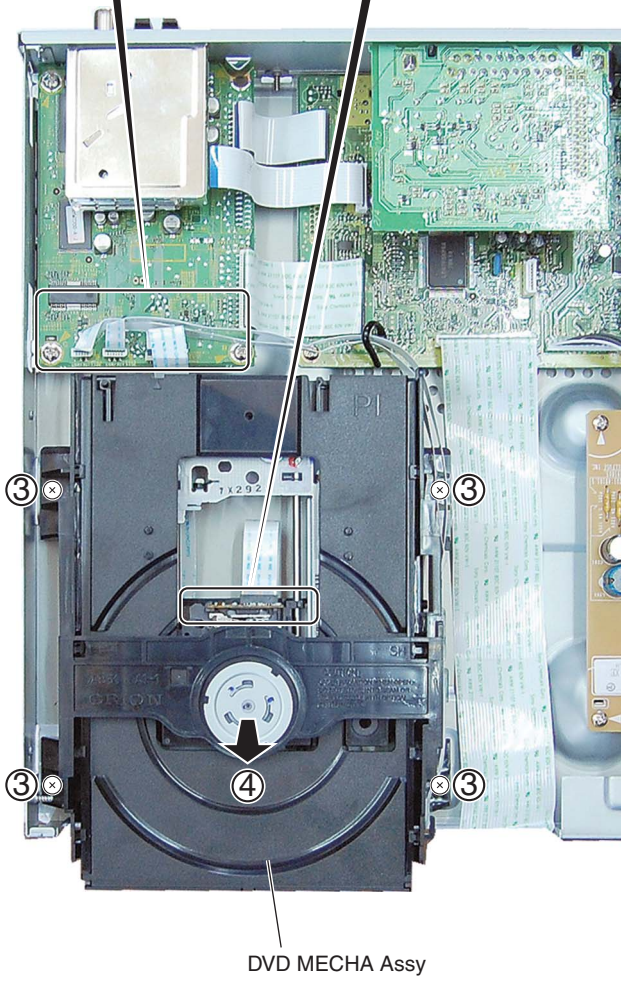
Note: After replacement, connect the flexible cable, then remove the soldered joint (open).

② Disconnect the three flexible cables.

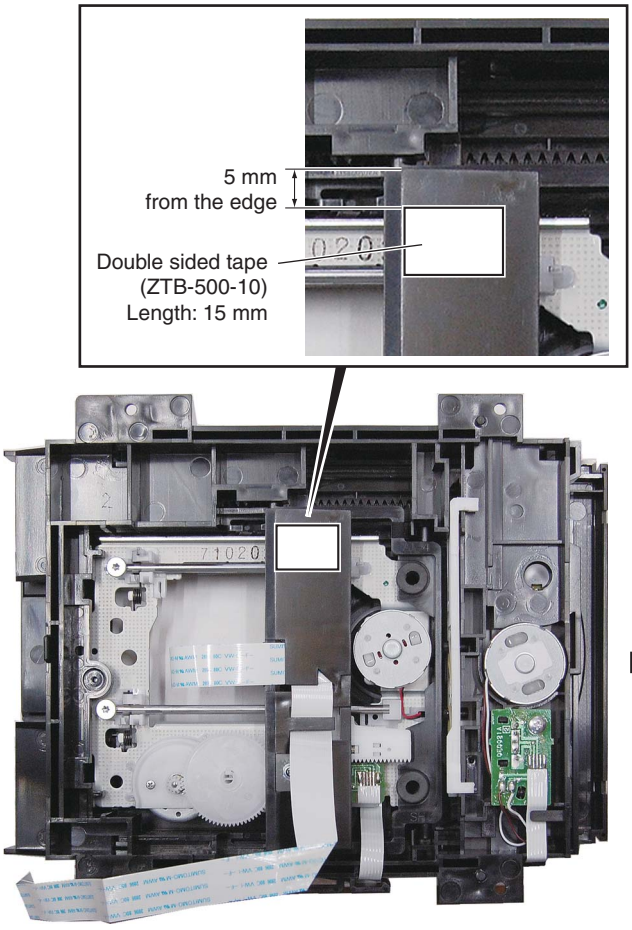


③ Remove the four screws.

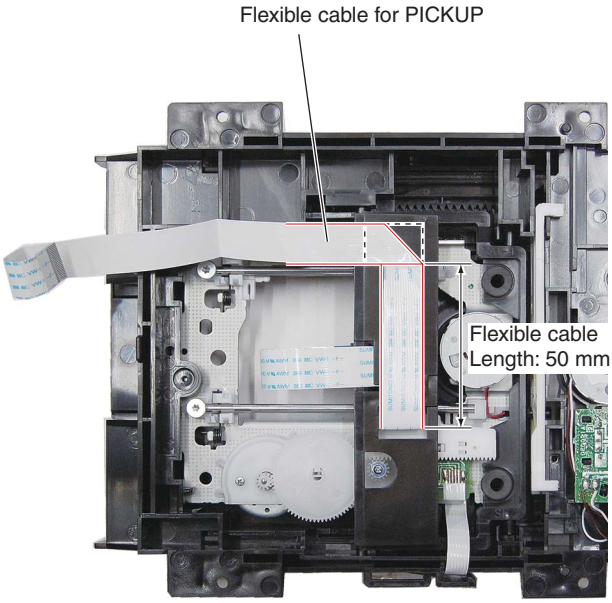
④ Remove the DVD MECHA Assy.



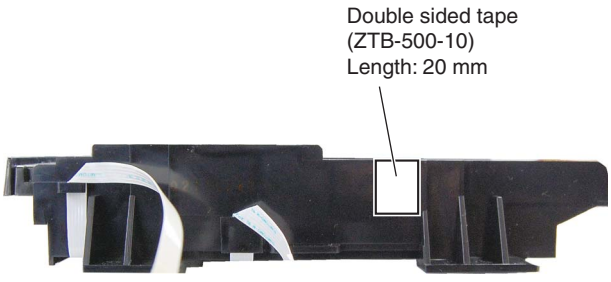
Arrangement of The Flexible Cables



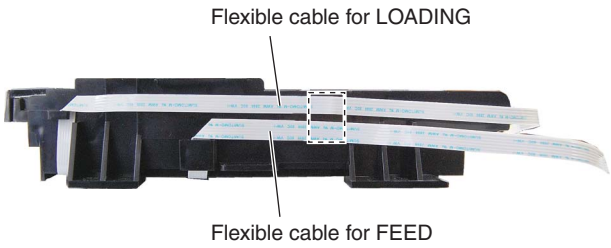
● **Bottom view**



● **Bottom view**



● **Right view**



● **Right view**

Removal of DVD MECHA Assy Parts

NOTE
Disassemble only the DVD MECHA Assy parts listed here. Minute adjustments are needed if the disassembly is done. If the repair is needed except listed parts, replace the DVD MECHA Assy.

1: TRAY (Refer to Fig. 1-A)
1. Set the Tray opened. (Refer to the **DISC REMOVAL METHOD AT NO POWER SUPPLY**)
2. Unlock the 2 supports ① and draw it while sagging the Tray.

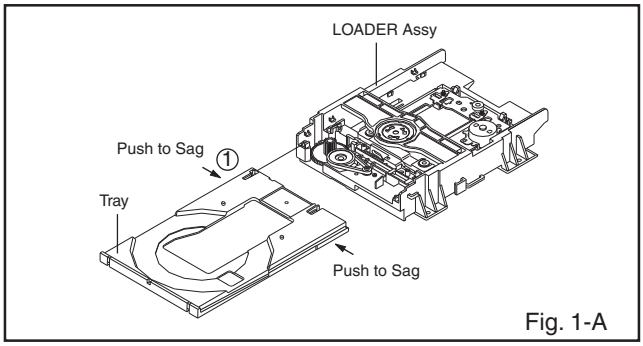


Fig. 1-A

NOTE
1. In case of the Tray installation, install them as the circled section of Fig. 1-B so that the each markers are met.

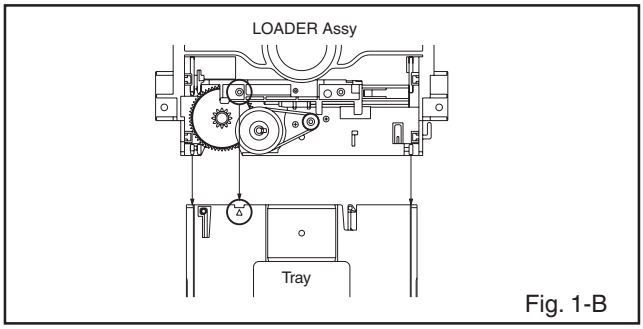


Fig. 1-B

2: TRAVERSE ASSY (Refer to Fig. 2-A)
1. Remove the screw ①.
2. Unlock the 2 supports ②.
3. Remove the Insulator (R) from the LOADER SUB Assy.
4. Remove the TRAVERSE Assy.

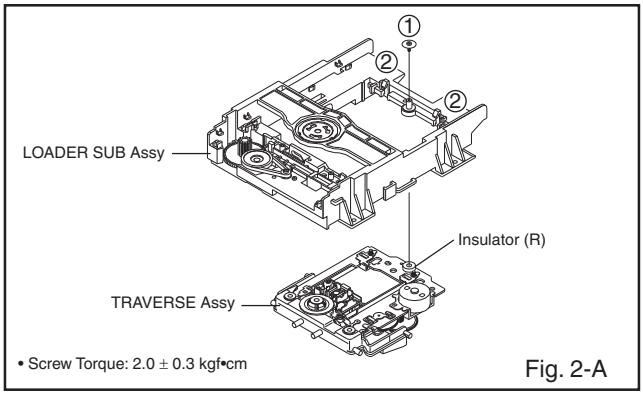


Fig. 2-A

NOTE
1. In case of the TRAVERSE Assy, install it from (1) to (4) in order. **(Refer to Fig. 2-B)**
2. In case of the TRAVERSE Assy installation, hook the wire on the LOADER Assy as shown Fig. 2-C.

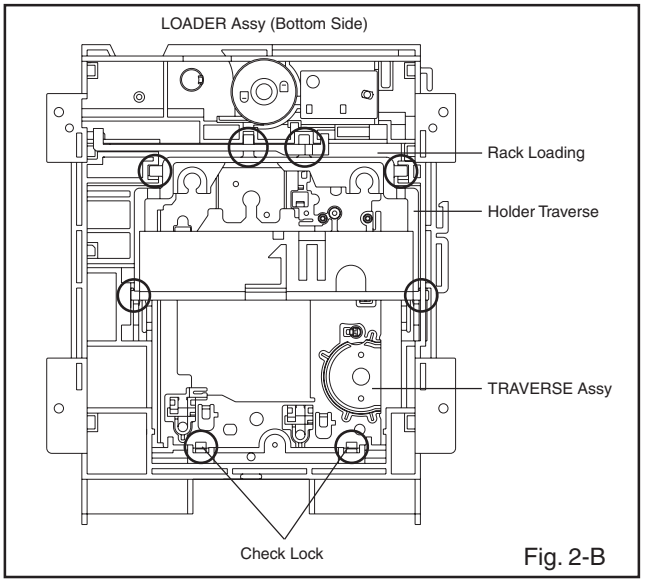


Fig. 2-B

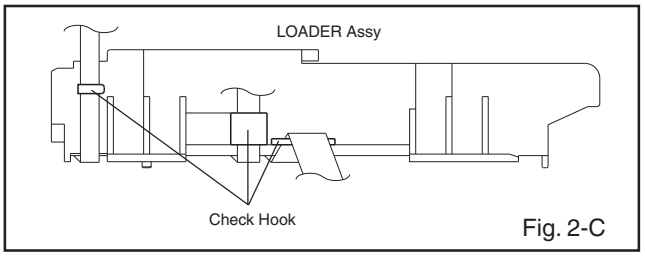


Fig. 2-C

3: LOADING MOTOR PCB Assy / LOADING BELT (Refer to Fig. 3-A)
1. Remove the Loading Belt.
2. Remove the screw ①.
3. Remove the LOADING MOTOR PCB Assy.
4. Remove the 2 screws ②.
5. Remove the Loading Motor.
6. Remove the Gear Pulley.

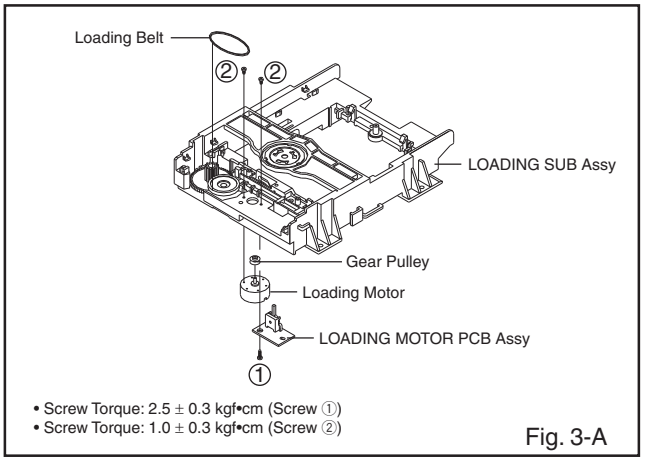


Fig. 3-A

NOTE

1. In case of the Pulley Motor installation, check if the value of the Fig. 3-B is correct.
2. When installing the wire of the LOADING MOTOR PCB Assy, install it correctly as Fig. 3-C.
   Manual soldering conditions
   • Soldering temperature: 320 ± 20 °C
   • Soldering time: Within 3 seconds
   • Soldering combination: Sn - 3.0 Ag - 0.5 Cu
3. When installing the LOADING MOTOR PCB Assy, install itcorrectly as Fig. 3-D.
4. In case of the LOADING MOTOR PCB Assy installation, hook the wire on the LOADER SUB Assy as shown Fig. 3-E.

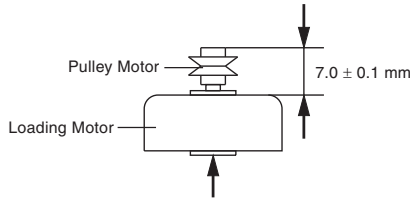


Fig. 3-B

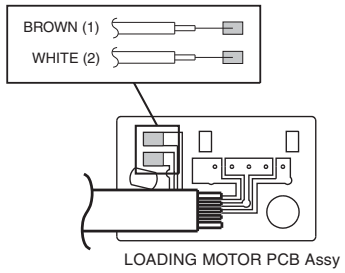


Fig. 3-C

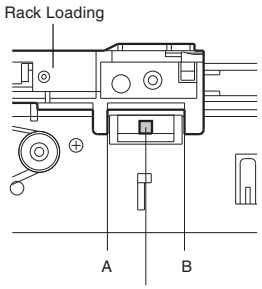


Fig. 3-D

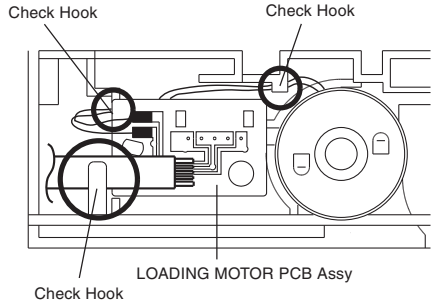


Fig. 3-E

4: RACK LOADING / MAIN GEAR / PULLEY GEAR (Refer to Fig. 4-A)

1. Unlock the support ② and remove the Gear Pulley.
2. Remove the Gear Main.
3. Press down the catcher ① and slide the Rack Loading.

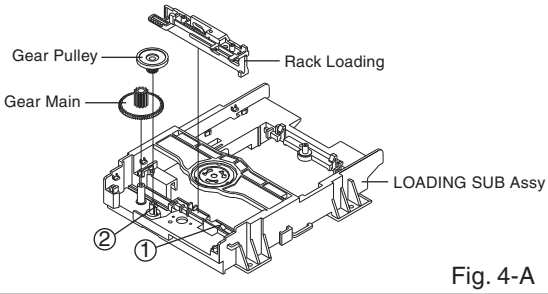


Fig. 4-A

NOTE

1. In case of the Rack Loading installation, hook the Rack Loading on the LOADER SUB Assy as shown Fig. 4-B.
2. When installing the Gear Main, take care the direction of up or down as shown Fig. 4-C.

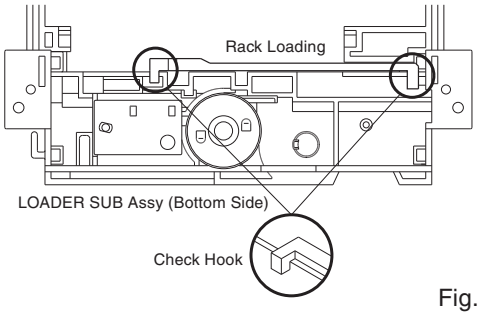


Fig. 4-B

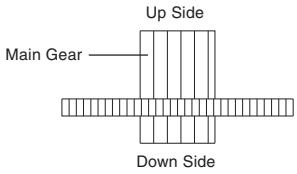


Fig. 4-C

5: CLAMPER ASSY (Refer to Fig. 5-A)

1. Press the Clamper and rotate the Plate Clamper clockwise, then unlock the 3 supports ①.
2. Remove the Plate Clamper, Magnet Clamper and Clamper.

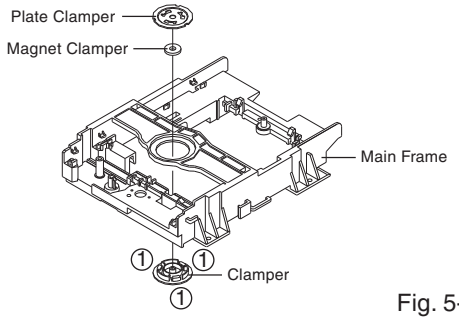


Fig. 5-A

NOTE

1. In case of the Clamper Assy installation, install correctly as Fig. 5-B.

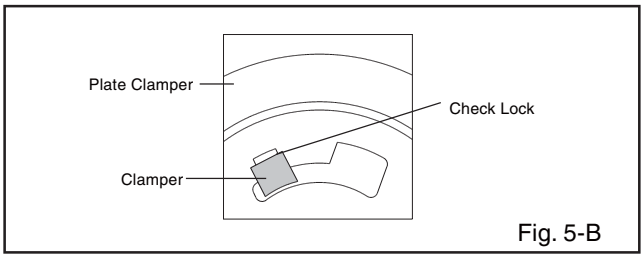


Fig. 5-B

6: HOLDER TRAVERSE/INSULATOR (F)/INSULATOR (R) (Refer to Fig. 6-A)

1. Remove the Holder Traverse.
2. Remove the 2 Insulator (F).
3. Remove the Insulator (R).

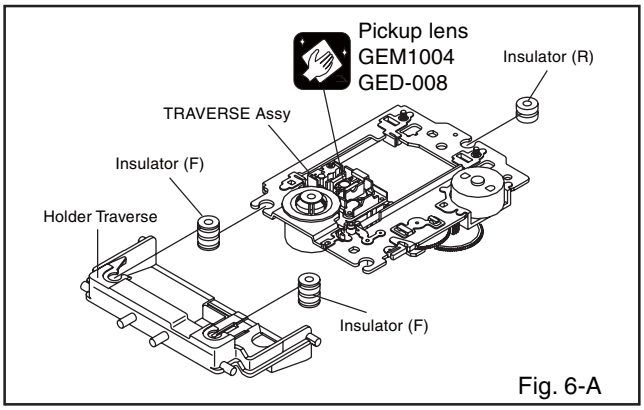


Fig. 6-A

NOTE

1. In case of the Insulator (F) installation, install correctly as Fig. 6-B.

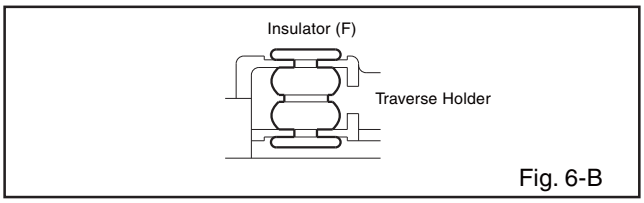


Fig. 6-B

7: SW PCB ASSY/GEAR MIDDLE/GEAR FEED/ RACK FEED ASSY/FEED MOTOR (Refer to Fig. 7-A)

1. Unlock the support ①.
2. Remove the Gear Middle.
3. Remove the screw ②.
4. Remove the Rack Feed Assy.
5. Remove the screw ③.
6. Remove the SW PCB Assy.
7. Remove the screw ④.
8. Remove the Gear Feed.
9. Remove the 2 screws ⑤.
10. Remove the Feed Motor.
11. Remove the Gear Motor.

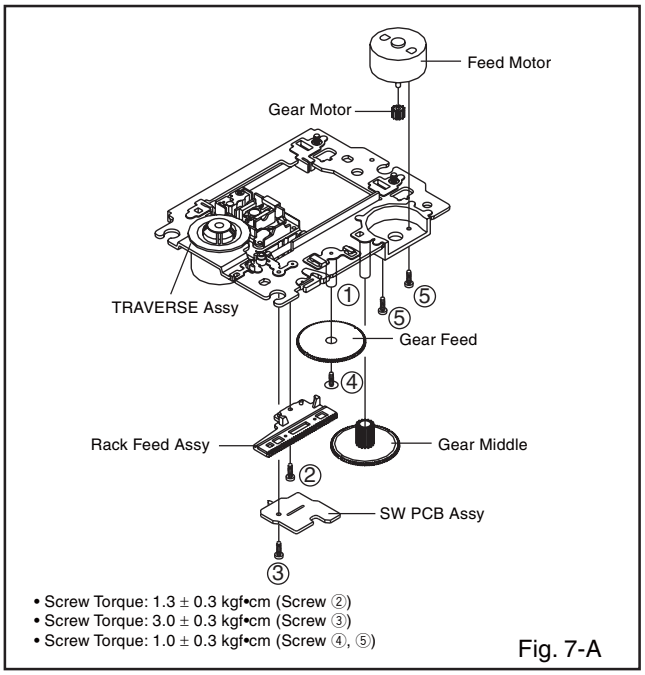


Fig. 7-A

NOTE

1. When installing the Rack Feed Assy, push both ends to align the teeth as shown Fig. 7-B. Then install it.
2. In case of the Gear Motor installation, check if the value of the Fig. 7-C is correct.
3. When installing the wire of the SW PCB Assy, install it correctly as Fig. 7-D.
   Manual soldering conditions
   • Soldering temperature: 320 ± 20 °C
   • Soldering time: Within 3 seconds
   • Soldering combination: Sn - 3.0 Ag - 0.5 Cu
4. After the assembly of the TRAVERSE Assy, hook the wire on the TRAVERSE Assy as shown Fig. 7-E.

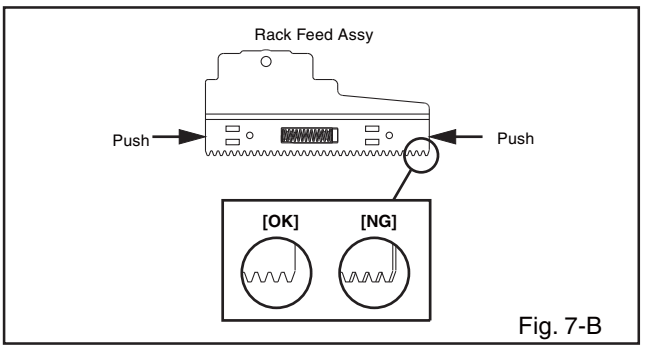


Fig. 7-B

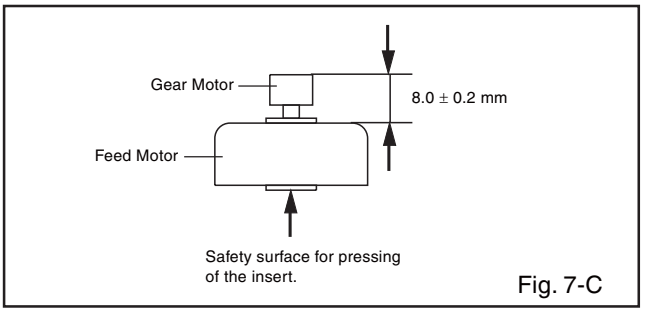


Fig. 7-C

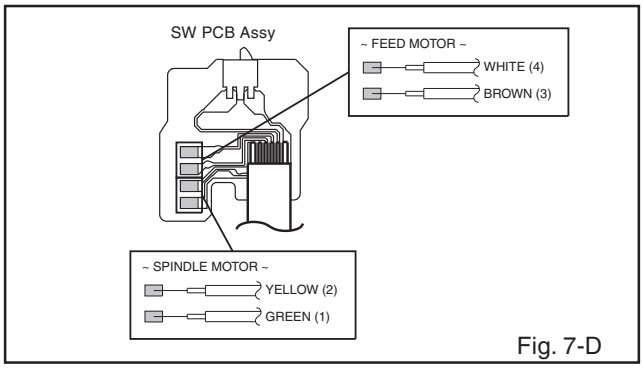
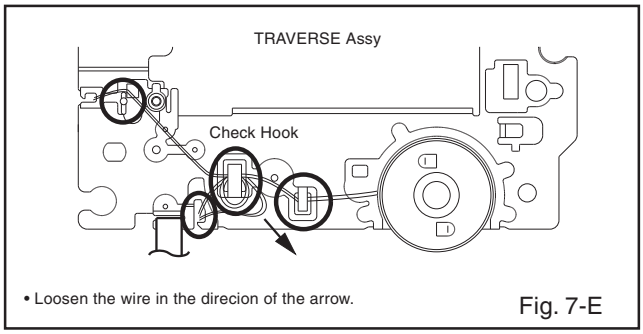


Fig. 7-D



• Loosen the wire in the direcion of the arrow.

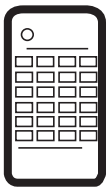
Fig. 7-E

8. EACH SETTING AND ADJUSTMENT
8.1 ID NUMBER AND ID DATA SETTING

Caution:
For the DVD players compatible with DVD-RW, for playback of a DVD-RW disc (CPRM) and for the DVD players possessing HDMI output, for HDCP process, it is necessary that an individual ID number and ID data are set for each player. If the ID number and ID data be not properly set in the manner described below, future operations cannot be guaranteed. The ID number is written on the yellow label at the rear panel of the player.
If there is no yellow label, before downloading FLASH ROM, take note of the ID number set following the procedures outlined in "ID Number Confirmation Mode" on the next page.
Note: Enter ID numbers while the unit is in Stop mode so that the values set will be immediately written to the flash ROM.

Setting an ID number or ID data is required in the following case:
If "No NUM" or "NO DATA" is displayed on the FL display for a few seconds immediately after the power to the player is turned on or during Stop mode.

JIGS AND MEASURING INSTRUMENTS

 Service Remote Control Unit [GGF1381]	DVD Data Disc [GGV1309]

■ ID Number Input Mode

① To enter ID Number Input Mode, with no ID number set, such as in a case of immediately after upgrading the firmware, press the ESC key then the STEREO key.

Note: If a previous ID number and ID data, such as a factory-preset ID number and ID data, are maintained, the unit enters ID Number Confirmation Mode when the above keys are pressed. However, if only an ID number is maintained, the unit enters ID Data Input Mode.

② Enter a 9-digit ID number. The ID number is also displayed on the FL display.

③ By pressing the CLEAR key without having input a number, you can exit this mode. Each press of this key after a number has been input deletes one digit.

```
[Player's ID Number Setting]
 ID Number ?
 ② - - - - - - - - -
 ③ <CLEAR>  Exit

 Input ID Number !
```

④ After entering all 9 digits, if you press the PLAY key, the unit enters Compare mode. Enter the same ID number again. Only if your two input numbers match, the ID number is set. Compare mode helps eliminate mistyping of the ID number.

Note: If you press the PLAY button before inputting a 9-digit ID number, the unit returns to Step ② without doing anything else.

⑤ After entering all 9 digits, if you press the SEARCH key, the unit unconditionally sets the input number as the ID number. Then the unit automatically enters Player's Data Input Mode. (The SEARCH key is not accepted after all 9 digits have been entered.)

```
[Player's ID Number Setting]
 ID Number ?
  0 0 0 0 0 0 0 0 1

 ④ <PLAY>      Compare Mode
 ⑤ <SEARCH>  Enter

 Input ID Number !
```

⑥ This display appears when the PLAY key is pressed in Step ④. Enter a 9-digit number to compare. The number is also displayed on the FL display.

⑦ By pressing the CLEAR key without having input a number, the unit returns to Step ② without doing anything else. Each press of this key after a number has been input deletes one digit.

```
[Player's ID Number Setting]
 ID Number ?
    0 0 0 0 0 0 0 0 1
 Compare
 ⑥    * * * * * * * * *


 Input ID Number !
```

⑧ After entering all 9 digits, if you press the PLAY key, the unit compares the numbers input in Steps ② and ⑥, and only if the numbers match, that number is set as the ID. Then the unit automatically enters ID DATA Input Mode. If the numbers do not match, the disc tray is opened, and the unit exits ID Number Input Mode.

Note: If you press the PLAY button before inputting a 9-digit ID number, the unit returns to Step ⑥ without doing anything else.

```
[Player's ID Number Setting]
 ID Number ?
    0 0 0 0 0 0 0 0 1
 Compare
    0 0 0 0 0 0 0 0 1

 ⑧ <PLAY>  Enter

 Input ID Number !
```

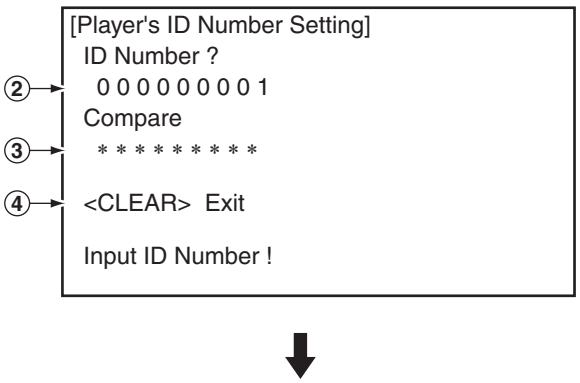
■ ID Number Confirmation Mode

① To enter ID Number Confirmation Mode after the ID number and the ID data are set, press the ESC key then the STEREO key.

② The ID number already set is displayed.
(It is also displayed on the FL display.)

③ Enter a 9-digit number for comparison. This is not required when you only wish to check the ID number visually.
(The number is also displayed on the FL display.)

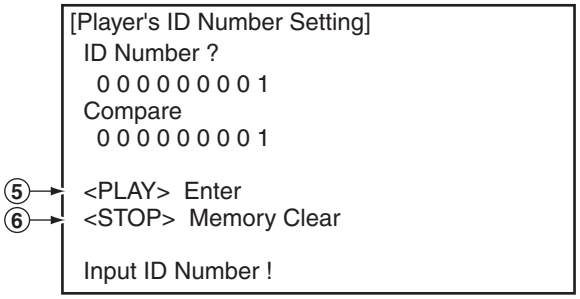
④ By pressing the CLEAR key without having input a number, you can exit this mode. Each press of this key after a number has been input deletes one digit.



⑤ After entering all 9 digits, if you press the PLAY key, the unit compares the number entered in Step ② with the ID number set, and only if the numbers match, the unit automatically exits ID Number Confirmation Mode. If an ID data has not been entered, the unit enters ID DATA Input Mode. If the numbers do not match, the disc tray is opened, and the unit exits ID Number Confirmation Mode.

Note: If you press the PLAY button before inputting a 9-digit ID number, the unit returns to Step ④ without doing anything else.

⑥ After entering all 9 digits, if you press the STOP key, the unit compares the number entered in Step ③ with the ID number set, and only if the numbers match, the unit automatically deletes the ID number and exits this mode. If the numbers do not match, the disc tray is opened, and the unit exits this mode. (The STOP key is not accepted after all 9 digits have been entered.)



• Indication of an ID number already set

An ID number already set is displayed in the following cases:

1) When the ESC key then the CLEAR key are pressed, user settings are cleared, then the ID number set is displayed on the screen. In this case, the ID number is not displayed on the FL display.
2) When the unit enters ID Number Confirmation Mode by your pressing the ESC key then the CLEAR key, the ID number set is displayed. In this case, the ID number is also displayed on the FL display.
If you only need to confirm the ID number, you can exit this mode by pressing the CLEAR key or turning off the power.

• Indication when no ID number is set

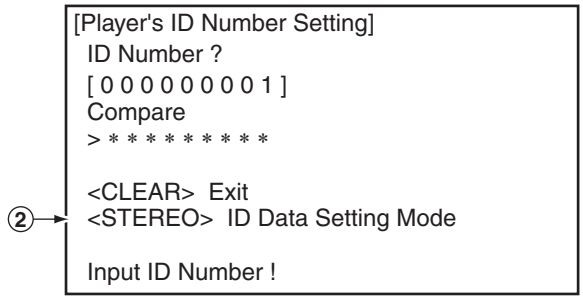
If no ID number is set, the message "No NUM" flashes on the screen and FL display for a few seconds after the power is turned on or during Stop mode.

ID DATA Input Mode

NOTE: Be sure to use a specified DVD (ID) DATA DISC.

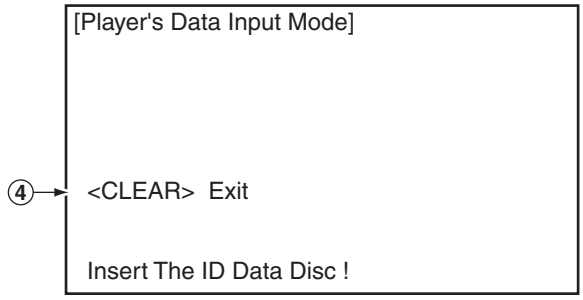
① To enter ID DATA Input Mode, with the ID number set, press the ESC key then the STEREO key.

② When the STEREO key is pressed, the unit enters ID DATA Input Mode.



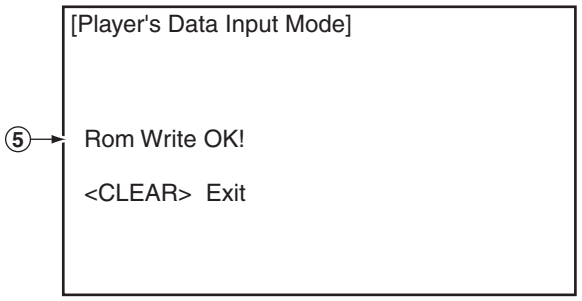
③ If the DVD DATA DISC is loaded in this mode, the unit automatically starts reading the data.
(If the DVD DATA DISC has already been loaded, the unit does not start reading the data. In this case, open then close the tray.)

④ To exit this mode, press the CLEAR key. While data are being read from the DVD DATA DISC, you cannot exit this mode.



⑤ When writing of the data read from the disc to flash ROM is completed, "Rom Write OK!" is displayed. After seeing this message, you can exit this mode by pressing the CLEAR key.

Note: Whether or not the data have been written to flash ROM can be confirmed by watching for the message "Rom Write OK!" being displayed after the disc is read.



⑥ If the data cannot be read from the disc, the unit will be exited ID Data Input Mode and proceed to the display of "**Pioneer**" logo.

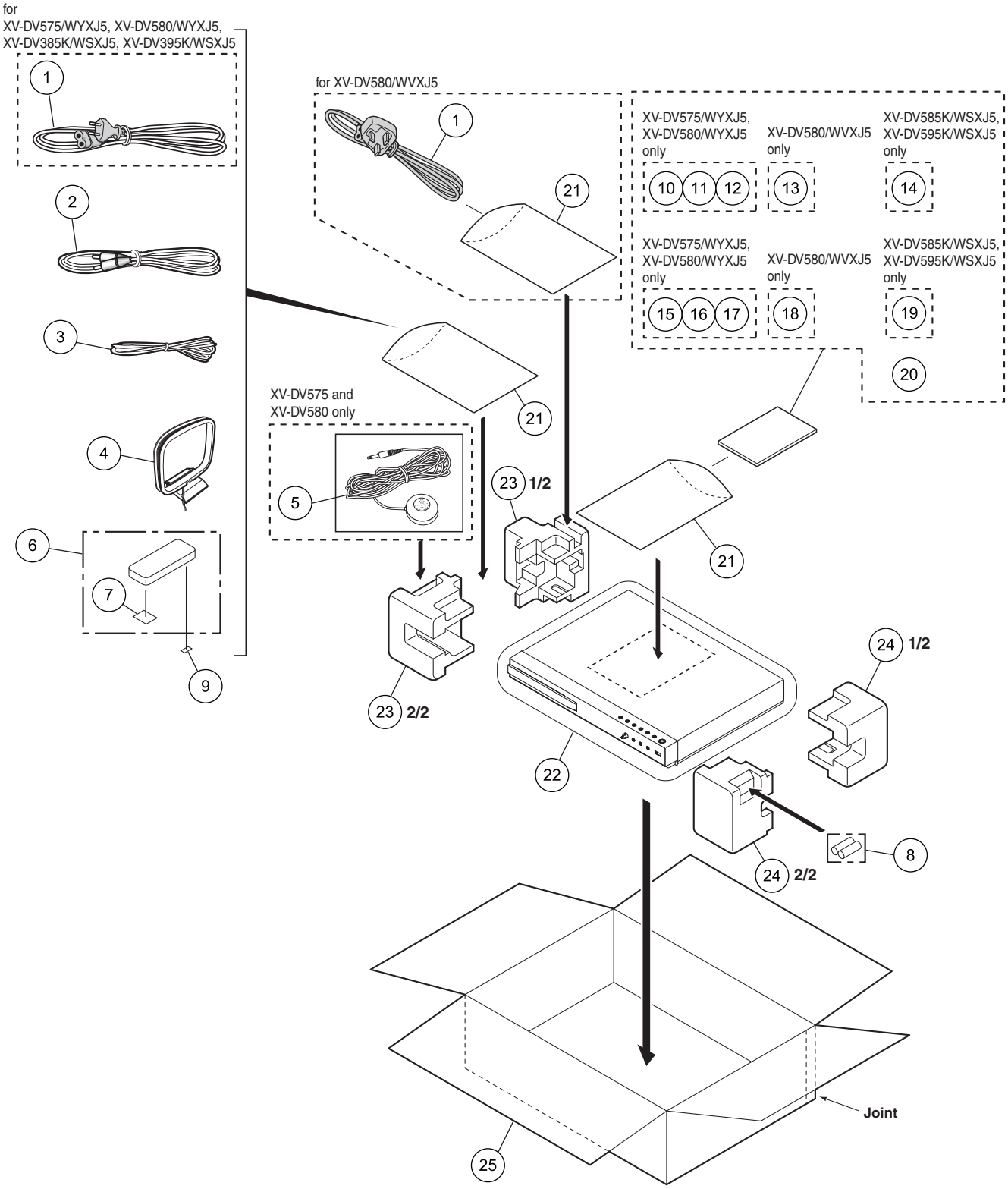
• Indication when the data have not been set

If no ID data are set after the ID number is changed, the message "NO DATA" flashes on the screen and FL display for a few seconds after the power is turned on or during Stop mode.

9. EXPLODED VIEWS AND PARTS LIST

NOTES:
- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Screws adjacent to ▼ mark on product are used for disassembly.*
- *For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)*

9.1 PACKING SECTION



(1) PACKING SECTION PARTS LIST

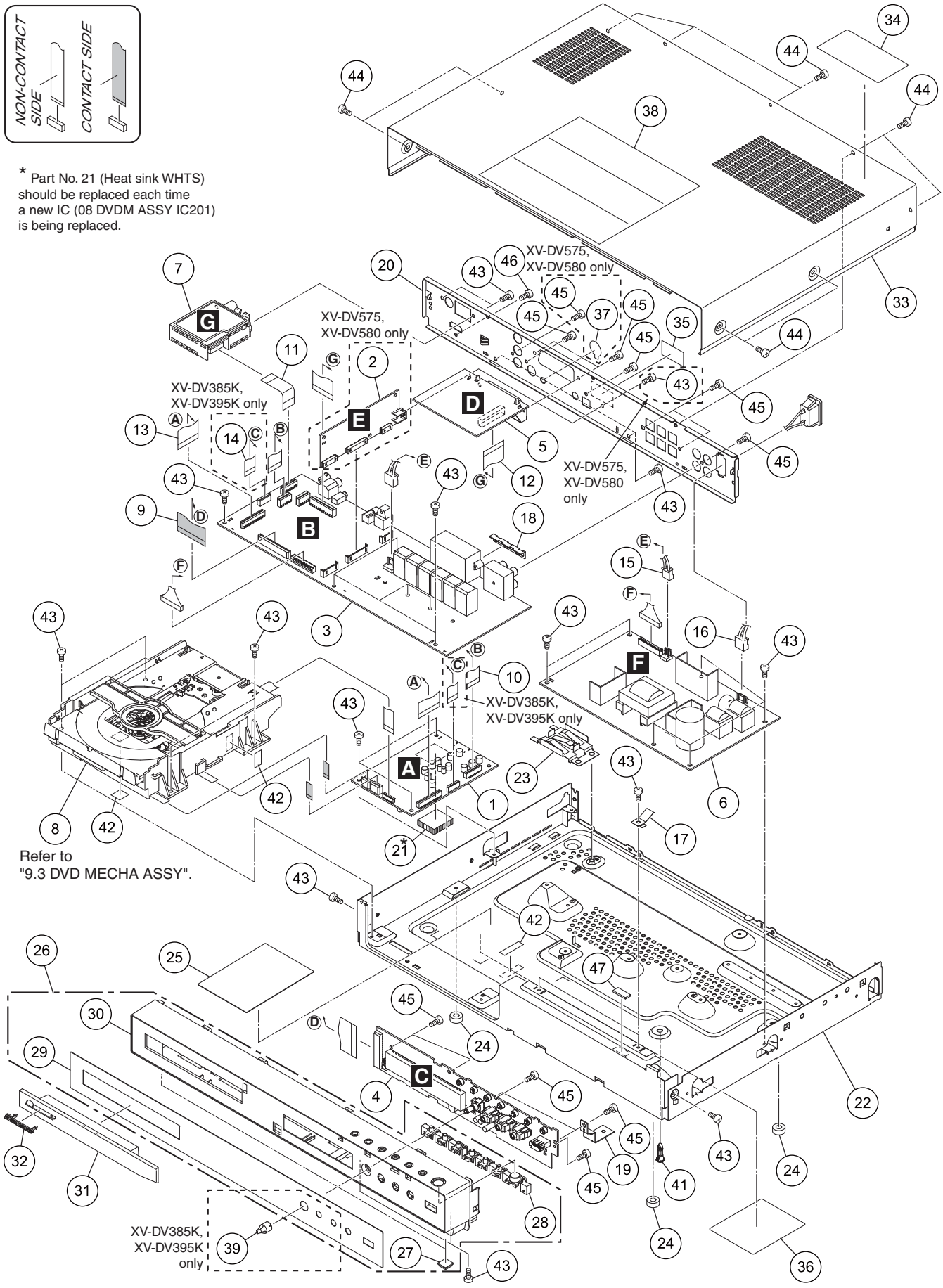
Mark	No.	Description	Part No.
⚠	1	Power Cord	See Contrast table (2)
	2	Video Cable	XDE3046
	3	FM Antenna	ADH7030
	4	AM Loop Antenna	ATB7013
	5	Microphone (for Audio MCACC setup)	See Contrast table (2)
	6	Remote Control	See Contrast table (2)
	7	Battery Cover	AZN8018
NSP	8	Dry Cell Battery (AA/R6)	XEX3002
	9	Label (WEEE)	ARW7322
	10	Operating Instructions (English, French)	See Contrast table (2)
	11	Operating Instructions (German, Italian)	See Contrast table (2)
	12	Operating Instructions (Dutch, Spanish)	See Contrast table (2)
	13	Operating Instructions (English)	See Contrast table (2)
	14	Operating Instructions (Russian)	See Contrast table (2)
	15	Setup Guide (English, French)	See Contrast table (2)
	16	Setup Guide (German, Italian)	See Contrast table (2)
	17	Setup Guide (Dutch, Spanish)	See Contrast table (2)
	18	Setup Guide (English)	See Contrast table (2)
	19	Setup Guide (Russian)	See Contrast table (2)
NSP	20	Warranty Card EU	ARY7111
NSP	21	Polyethylene Bag (0.06 x 230 x 340)	AHG7117
	22	Packing Sheet	AHG7053
	23	Pad L WHTS	XHA3177
	24	Pad R WHTS	XHA3178
	25	Packing Case	See Contrast table (2)

(2) CONTRAST TABLE

XV-DV575/WYXJ5, XV-DV580/WYXJ5, WVXJ5, XV-DV385K/WSXJ5 and XV-DV395K/WSXJ5 are constructed the same except for the following:

Mark	No.	Symbol and Description	XV-DV575 /WYXJ5	XV-DV580 /WYXJ5	XV-DV580 /WVXJ5	XV-DV385K /WSXJ5	XV-DV395K /WSXJ5
⚠	1	Power Cord	ADG1127	ADG1127	ADG7108	ADG1127	ADG1127
	5	Microphone (for Audio MCACC setup)	APM7008	APM7008	APM7008	Not used	Not used
	6	Remote Control	XXD3159	XXD3159	XXD3159	XXD3156	XXD3156
	10	Operating Instructions (English, French)	XRE3182	XRE3182	Not used	Not used	Not used
	11	Operating Instructions (German, Italian)	XRC3335	XRC3335	Not used	Not used	Not used
	12	Operating Instructions (Dutch, Spanish)	XRC3336	XRC3336	Not used	Not used	Not used
	13	Operating Instructions (English)	Not used	Not used	XRB3094	Not used	Not used
	14	Operating Instructions (Russian)	Not used	Not used	Not used	XRC3333	XRC3333
	15	Setup Guide (English, English)	XRE3181	XRE3178	Not used	Not used	Not used
	16	Setup Guide (German, Italian)	XRC3334	XRC3346	Not used	Not used	Not used
	17	Setup Guide (Dutch, Spanish)	XRC3344	XRC3349	Not used	Not used	Not used
	18	Setup Guide (English)	Not used	Not used	XRB3099	Not used	Not used
	19	Setup Guide (Russian)	Not used	Not used	Not used	XRC3343	XRC3345
	25	Packing Case	XHD3789	XHD3821	XHD3821	XHD3787	XHD3788

9.2 EXTERIOR SECTION


NON-CONTACT SIDE
CONTACT SIDE
* Part No. 21 (Heat sink WHTS) should be replaced each time a new IC (08 DVDM ASSY IC201) is being replaced.
XV-DV575, XV-DV580 only
XV-DV385K, XV-DV395K only
XV-DV575, XV-DV580 only
XV-DV385K, XV-DV395K only
XV-DV385K, XV-DV395K only
Refer to "9.3 DVD MECHA ASSY".

(1) EXTERIOR SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	08 DVDM Assy	See Contrast table (2)
	2	DSP Assy	See Contrast table (2)
	3	SYSMAIN Assy	See Contrast table (2)
	4	COMPLEX Assy	See Contrast table (2)
	5	EUROSCART Assy	AWU8291
⚠	6	POWER SUPPLY Unit	XWR3018
	7	FM/AM TUNER Unit	AXX7248
	8	DVD MECHA Assy	A2ZX01A650
	9	FFC/60V (J1904)	See Contrast table (2)
	10	17P FFC/60V (J1905)	XDD3263
	11	11P FFC/60V (J1908)	XDD3266
	12	23P FFC/60V (J1909)	XDD3267
	13	27P FFC/60V (J1907)	XDD3290
	14	13P FFC/60V (J1906)	See Contrast table (2)
	15	Cable Assy (J1901)	XDX3067
⚠	16	Cable Assy (J1903)	XDX3068
	17	Earth Spring W5.1	ABH7240
	18	GND Plate W5.1	ABH7241
	19	Ground Plate WHTS	XBH3018
	20	Rear Panel WHTS	See Contrast table (2)
	21	Heatsink WHTS	XNH3049
NSP	22	Chassis WHTS	XNA3061
	23	Radiation Plate	XNG3183
NSP	24	Spacer	AEB7092
NSP	25	Guide Sheet	XAK3603
	26	F/P Assy WHTS	See Contrast table (2)
	27	Rubber Foot	VEB1325
	28	Button WHTS	XAD3264
NSP	29	Display Window WHTS	See Contrast table (2)
NSP	30	Front Panel WHTS	See Contrast table (2)
	31	Tray Panel WHTS	See Contrast table (2)
	32	Pioneer Name Plate	XAM3009
	33	Bonnet WHTS	XZN3201
	34	Laser Caution	VRW2257
NSP	35	ID Label Assy	VXW1012
NSP	36	Name Label WHTS	See Contrast table (2)
	37	Control Label	See Contrast table (2)
NSP	38	POP Getter WHTS	See Contrast table (2)
	39	MIC Knob	See Contrast table (2)
	40	•••••	
	41	Locking Card Spacer	AEC7372
NSP	42	Double Sided Tape	•••••
	43	Screw	BBZ30P080FNI
	44	Screw	BBZ30P080FTB
	45	Screw	BPZ30P080FNI
	46	Screw	BSZ30P060FTC
NSP	47	Spacer	XEB3115

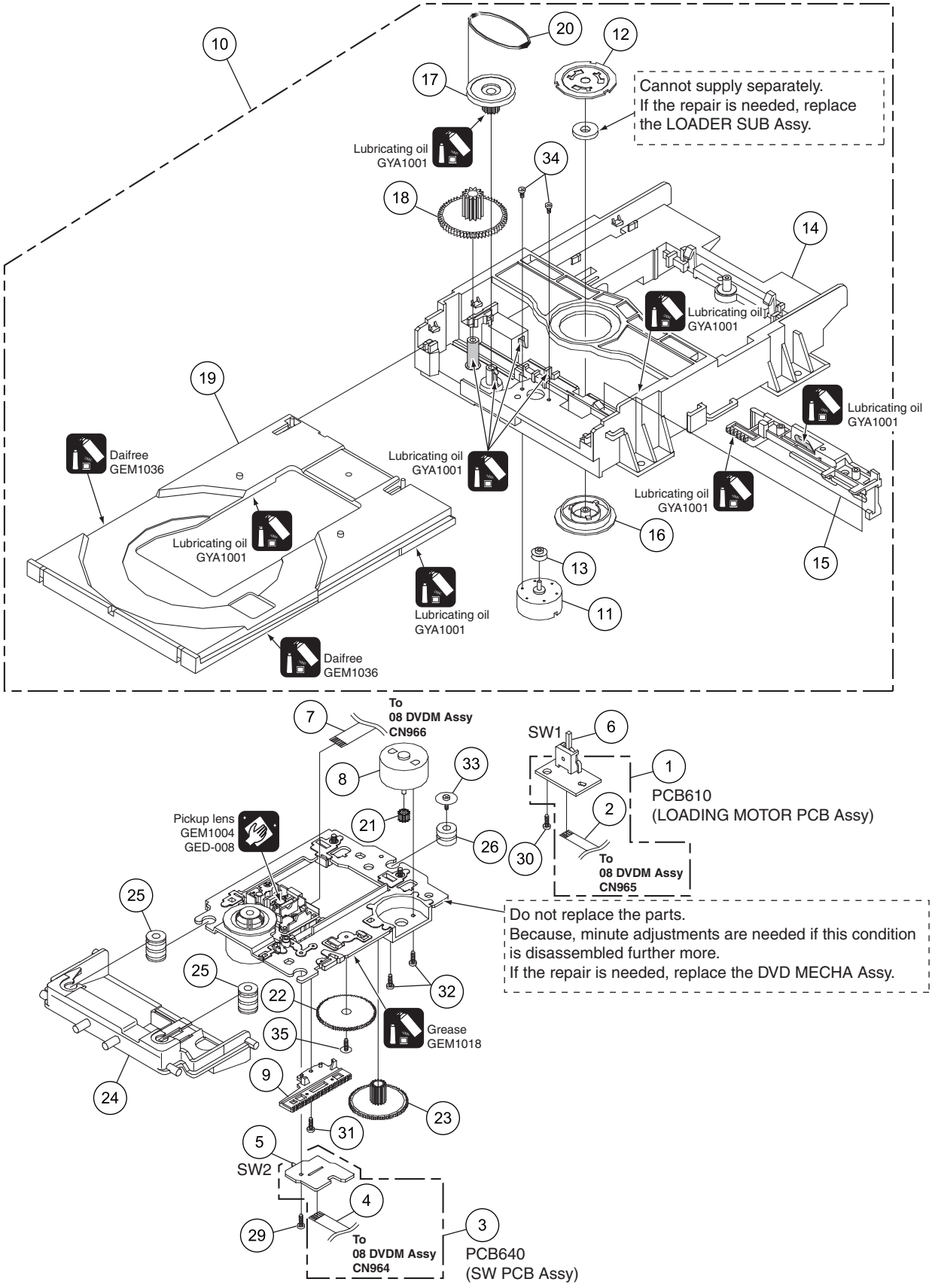
(2) CONTRAST TABLE

XV-DV575/WYXJ5, XV-DV580/WYXJ5, WVXJ5, XV-DV385K/WSXJ5 and XV-DV395K/WSXJ5 are constructed the same except for the following:

Mark	No.	Symbol and Description	XV-DV575 /WYXJ5	XV-DV580 /WYXJ5	XV-DV580 /WVXJ5	XV-DV385K /WSXJ5	XV-DV395K /WSXJ5
	1	08 DVDM Assy	AWM8118	AWM8118	AWM8118	AWM8105	AWM8105
	2	DSP Assy	AWX8706	AWX8706	AWX8706	Not used	Not used
	3	SYSMAIN Assy	XWM3392	XWM3395	XWM3395	XWM3391	XWM3394
	4	COMPLEX Assy	XWM3429	XWM3429	XWM3429	XWM3428	XWM3428
	9	27P FFC/60V (J1904)	XDD3261	XDD3261	XDD3261	Not used	Not used
	9	29P FFC/60V (J1904)	Not used	Not used	Not used	XDD3260	XDD3260
	14	13P FFC/60V (J1906)	Not used	Not used	Not used	XDD3264	XDD3264
	20	Rear Panel WHTS	XNC3572	XNC3574	XNC3574	XNC3564	XNC3571
	26	F/P Assy WHTS	XXG3370	XXG3371	XXG3371	XXG3368	XXG3369
NSP	29	Display Window WHTS	XAK3602	XAK3602	XAK3602	XAK3600	XAK3600
NSP	30	Front Panel WHTS	XMB3328	XMB3329	XMB3329	XMB3326	XMB3327
	31	Tray Panel WHTS	XAK3604	XAK3604	XAK3604	XAK3601	XAK3601
NSP	36	Name Label WHTS	XAL3296	XAL3297	XAL3297	XAL3294	XAL3295
	37	Control Label	XAX3620	XAX3620	XAX3620	Not used	Not used
NSP	38	POP Getter WHTS	XAX3677	XAX3700	XAX3700	XAX3676	XAX3686
	39	MIC Knob	Not used	Not used	Not used	XAA3029	XAA3029

9.3 DVD MECHA ASSY

Note :
Check if the correct grease is applied for each position.

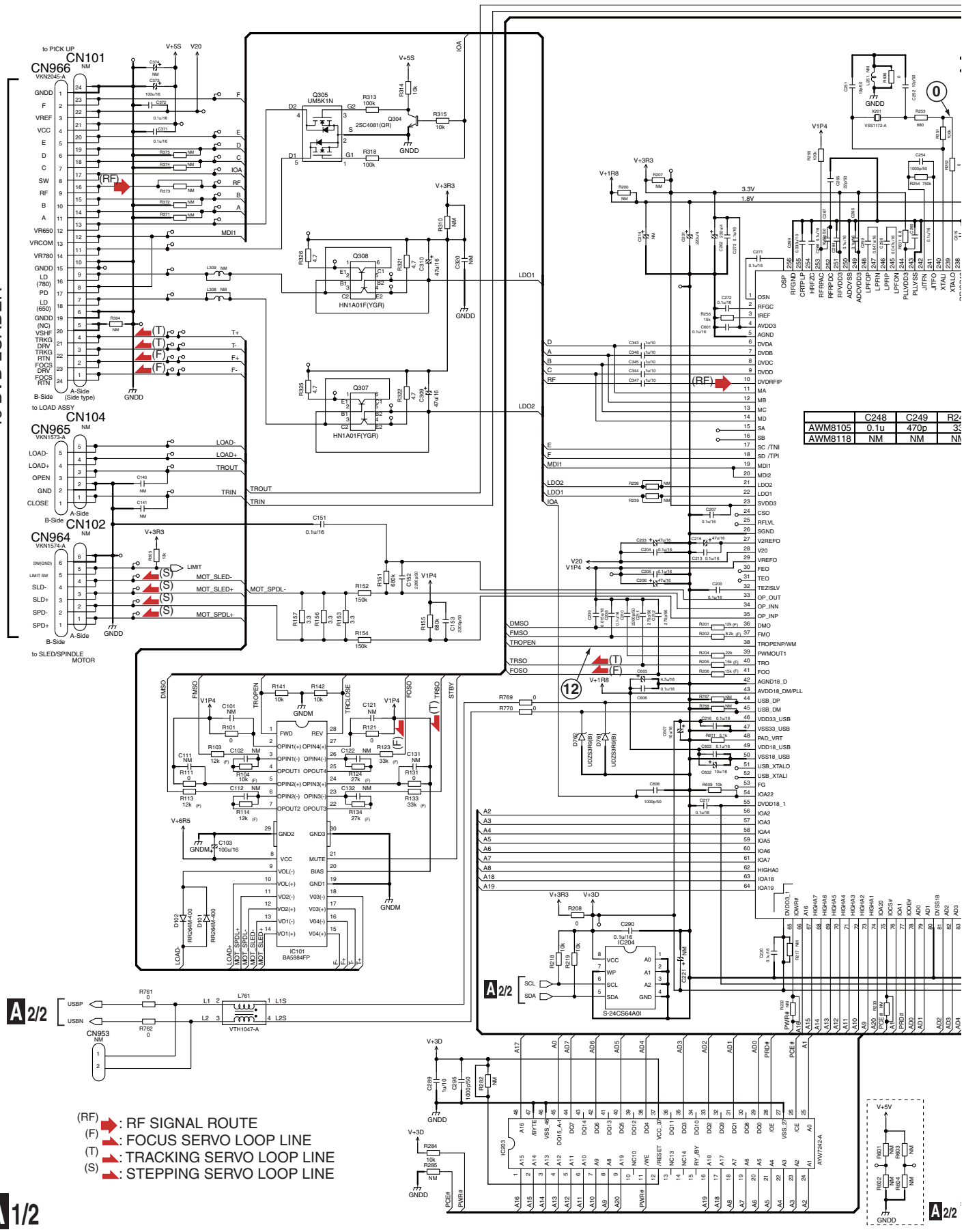

Cannot supply separately.
If the repair is needed, replace the LOADER SUB Assy.
Lubricating oil GYA1001
Daifree GEM1036
To 08 DVDM Assy CN966
To 08 DVDM Assy CN965
To 08 DVDM Assy CN964
SW1
SW2
PCB610 (LOADING MOTOR PCB Assy)
PCB640 (SW PCB Assy)
Pickup lens GEM1004 GED-008
Grease GEM1018
Do not replace the parts.
Because, minute adjustments are needed if this condition is disassembled further more.
If the repair is needed, replace the DVD MECHA Assy.

DVD MECHA ASSY PARTS LIST

Mark	No.	Description	Part No.
	1	LOADING MOTOR PCB Assy	A2ZX01A610
	2	Cord Jumper (5P)	12C1053601
	3	SW PCB Assy	A2ZX01A640
	4	Cord Jumper (6P)	12C1063201
	5	Switch (SW2)	0500101036
	6	Switch (SW1)	0515S32003
	7	Cord Jumper (24P)	122F003101
	8	FEED Motor	1515T98006
	9	Feed Rack Assy	92AAA0017A
	10	LOADER SUB Assy	92AAA0024A
	11	LOADING Motor	1515S98004
	12	Plate, Clamper	92P000023A
	13	Pulley, Motor	92P100097A
	14	Frame, Main	92P100119A
	15	Rack, Loading	92P100121A
	16	Clamper	92P100122A
	17	Gear, Pulley	92P100123A
	18	Gear, Main	92P100124A
	19	Tray	92P100151A
	20	Belt, Loading	92P200015A
	21	Gear, Motor	92P100088A
	22	Gear, Feed	92P100116A
	23	Gear, Middle	92P100117A
	24	Holder, Traverse	92P100125A
	25	Insulator (F)	92P200013A
	26	Insulator (R)	92P200016A
	27	•••••	
	28	•••••	
	29	Screw, Bind (2 x 8)	811022080U
	30	Screw, Tap tite (P)(2.6 x 8)	811022680U
	31	Screw, T-tite (B)(M1.7 x 5.0 P3)	813381750U
	32	Screw, Pan (M1.7 x 2.3 P3)	814011723U
	33	Screw, Tap tite (P)(2 x 8)	816112080U
	34	Screw, Pan (M1.7 x 3 P3)	814011730U
	35	Screw, Gear Feed	92P700007A

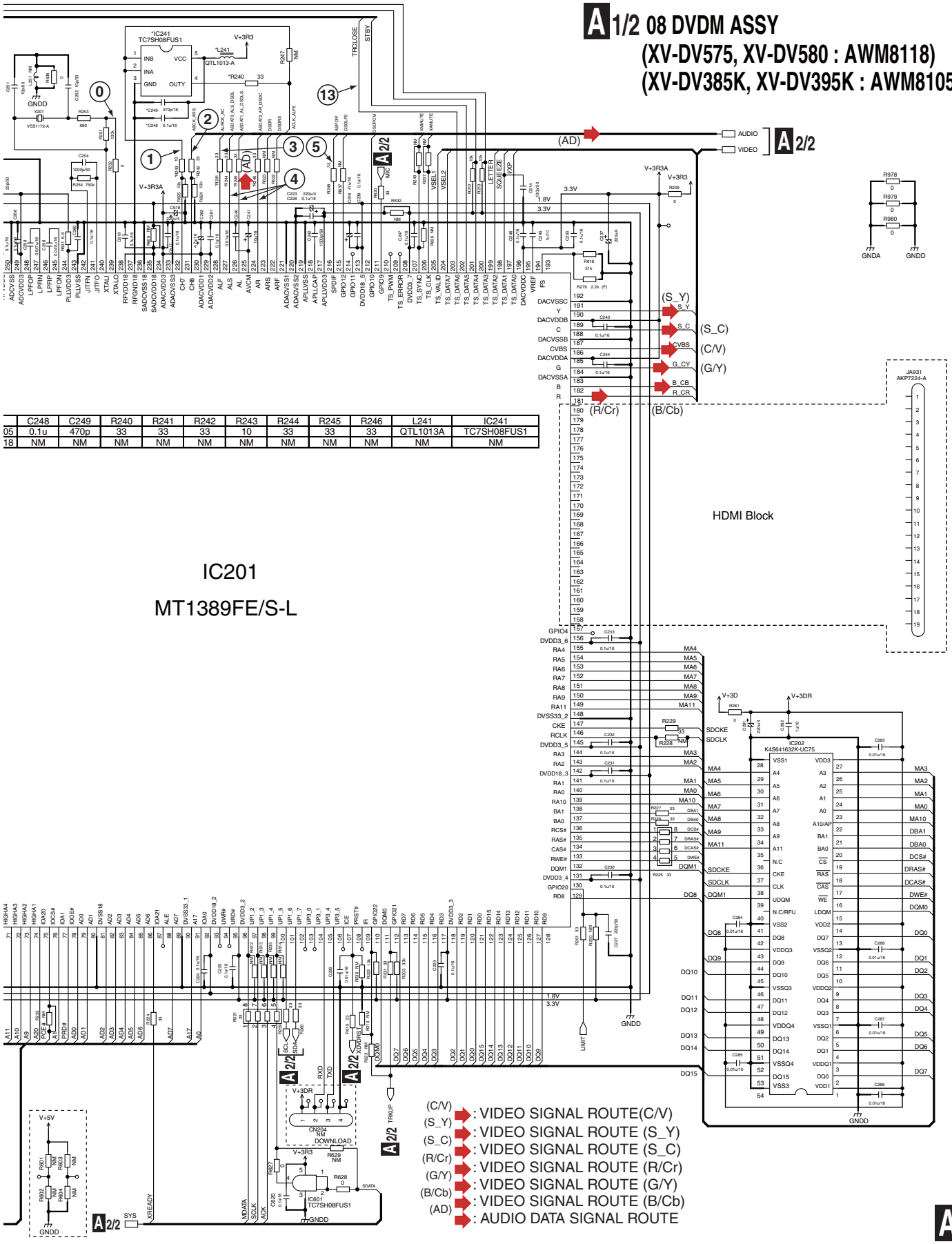
10. SCHEMATIC DIAGRAM

10.1 08 DVDM ASSY (1/2)



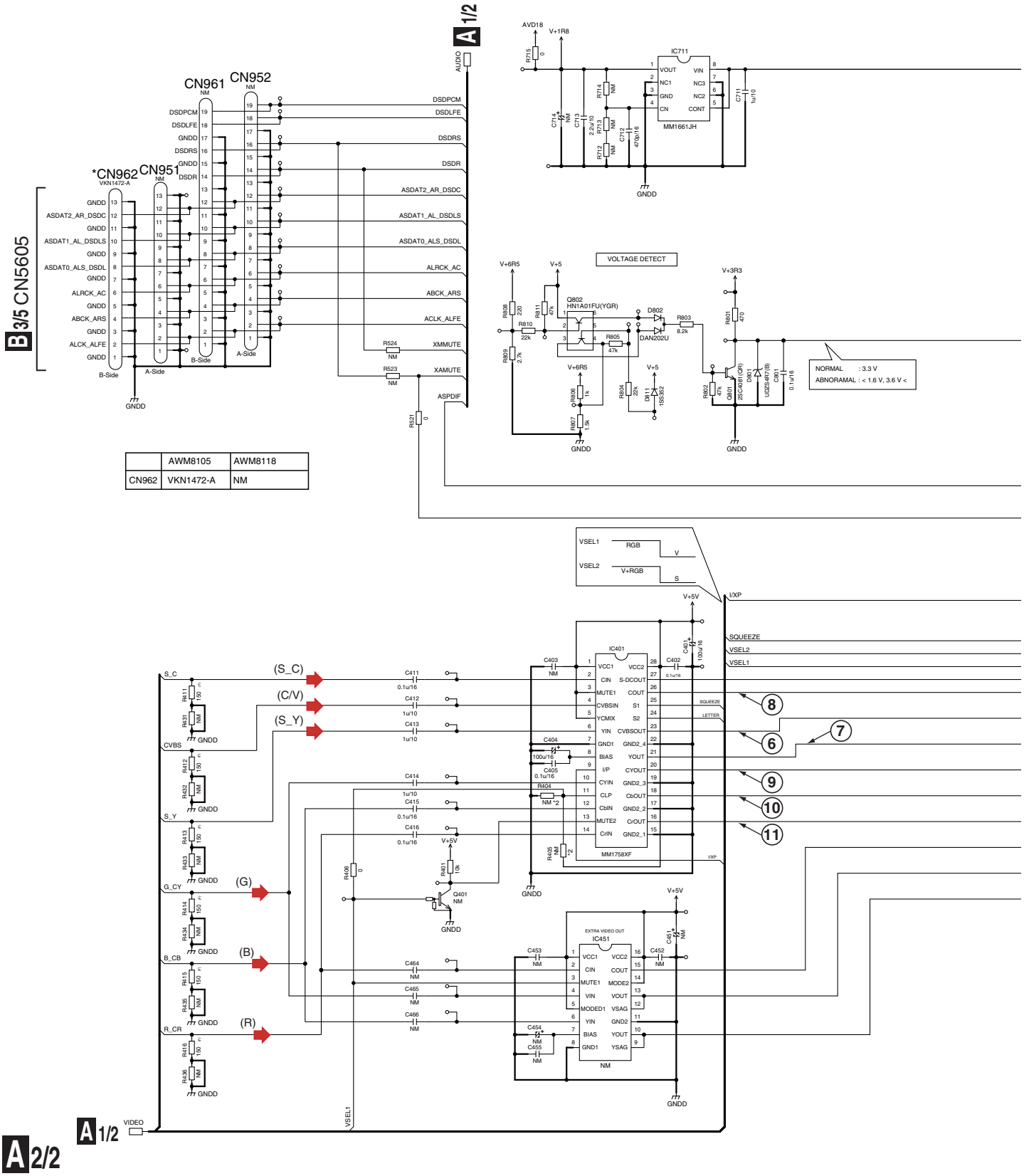
	C248	C249	R24
AWM8105	0.1u	470p	33
AWM8118	NM	NM	NM

A 1/2 08 DVDM ASSY
(XV-DV575, XV-DV580 : AWM8118)
(XV-DV385K, XV-DV395K : AWM8105)

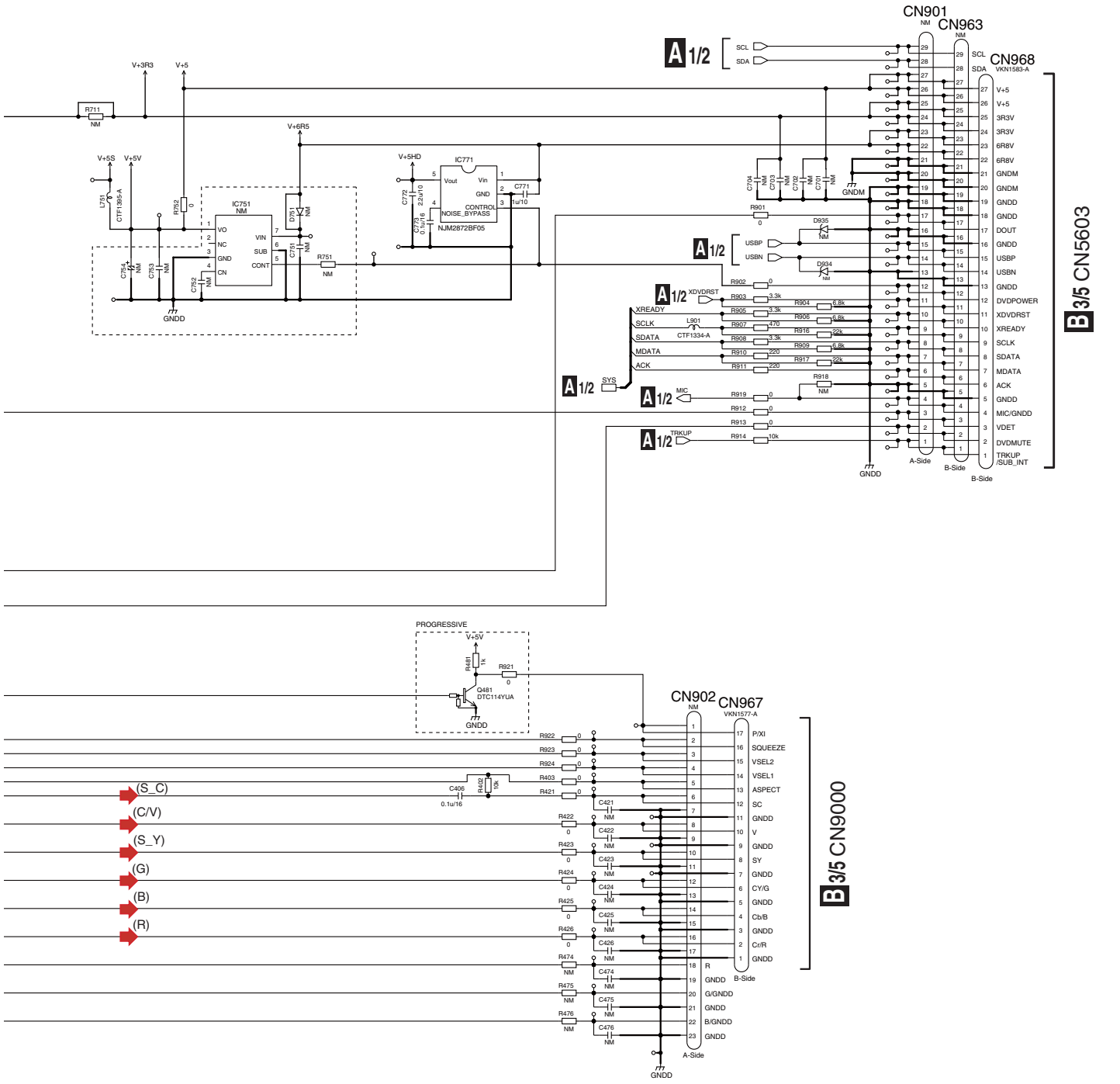


	C248	C249	R240	R241	R242	R243	R244	R245	R246	L241	IC241
05	0.1u	470p	33	33	33	10	33	33	33	QTL1013A	TC7SH08FUS1
18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

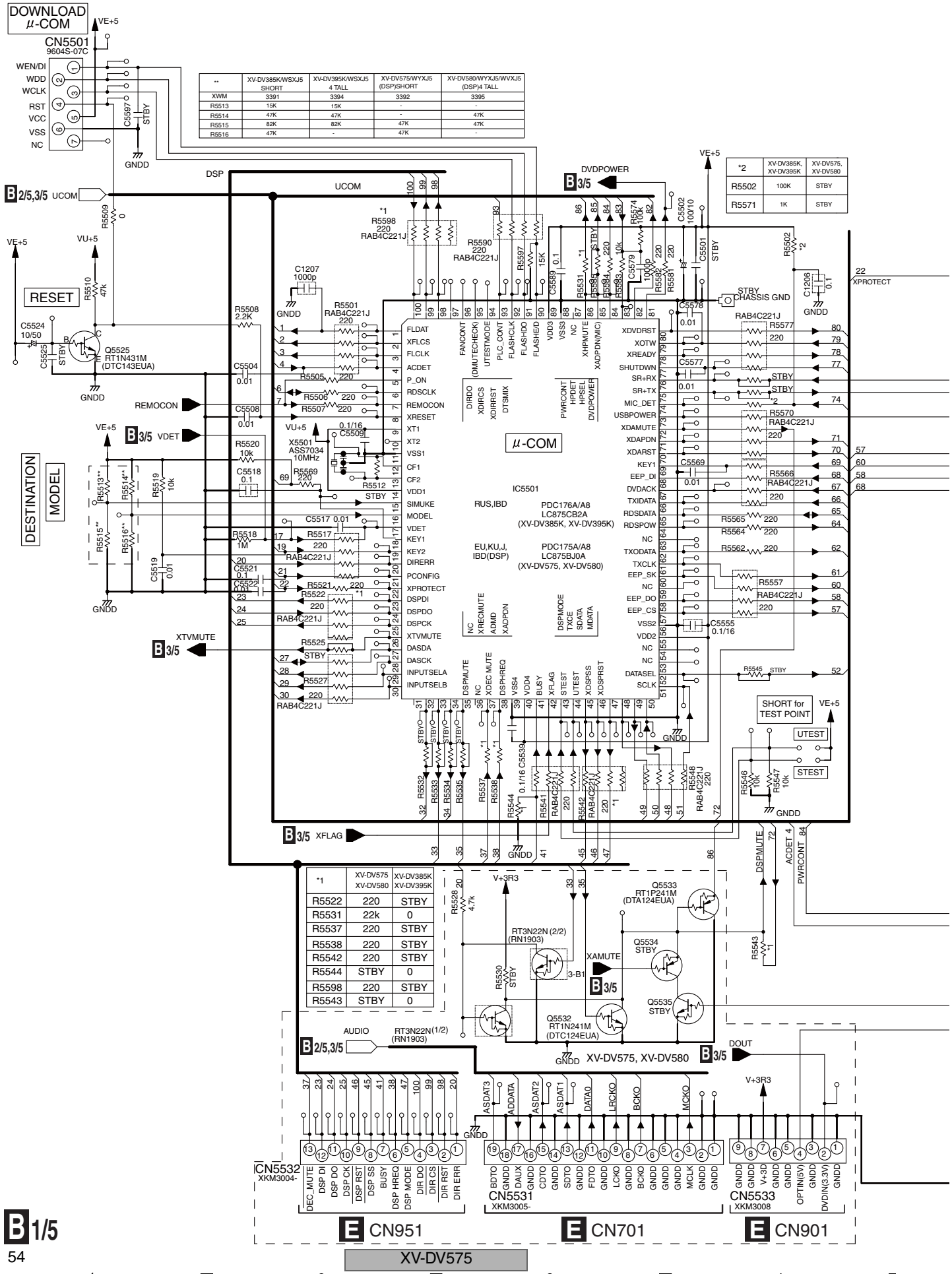
A 2/2 08 DVDM ASSY
(XV-DV575, XV-DV580 : AWM8118)
(XV-DV385K, XV-DV395K : AWM8105)



	AWM8105	AWM8118
CN962	VKN1472-A	NM


CN901
NM
CN963
NM
CN968
VKN1583-A
A 1/2
SCL
SDA
V+3R3
V+5
R711
NM
V+6R5
V+5S
V+5V
L751
CTF1305-A
R752
0
IC751
NM
VO
NC
GND
CN
VIN
SUB
CONT
C751
NM
R751
NM
C754
NM
C753
NM
C752
NM
GNDD
V+5HD
IC771
Vout
Vin
GND
CONTROL
NOISE_BYPASS
NJM2872BF05
C772
2.2u/10
C773
0.1u/16
C771
1u/10
C704
NM
C703
NM
C702
NM
C701
NM
GNDM
R901
0
D935
NM
D934
NM
USBP
USBN
R902
0
R903
3.3k
R905
3.3k
R907
470
R908
3.3k
R910
220
R911
220
R904
6.8k
R906
6.8k
R916
22k
R909
6.8k
R917
22k
R918
NM
R919
0
R912
0
R913
0
R914
10k
XDVDRST
XREADY
SCLK
SDATA
MDATA
ACK
L901
CTF1334-A
SYS
MIC
TRKUP
GNDD
A-Side
B-Side
B 3/5 CN5603
V+5
V+5
3R3V
3R3V
6R8V
6R8V
GNDM
GNDD
GNDD
DOUT
GNDD
USBP
USBN
GNDD
DVDPOWER
XDVDRST
XREADY
SCLK
SDATA
MDATA
ACK
GNDD
MIC/GNDD
VDET
DVDMUTE
TRKUP
/SUB_INT
PROGRESSIVE
V+5V
R481
1k
R921
0
Q481
DTC1114YUA
GNDD
CN902
NM
CN967
VKN1577-A
R922
R923
R924
R403
R421
C406
0.1u/16
R402
10k
(S_C)
(C/V)
(S_Y)
(G)
(B)
(R)
C421
C422
C423
C424
C425
C426
R422
R423
R424
R425
R426
R474
R475
R476
C474
C475
C476
P/XI
SQUEEZE
VSEL2
VSEL1
ASPECT
SC
GNDD
V
GNDD
SY
GNDD
CY/G
GNDD
Cb/B
GNDD
Cr/R
GNDD
R
GNDD
G/GNDD
GNDD
B/GNDD
GNDD
B 3/5 CN9000
(C/V) : VIDEO SIGNAL ROUTE(C/V)
(S_Y) : VIDEO SIGNAL ROUTE (S_Y)
(S_C) : VIDEO SIGNAL ROUTE (S_C)
(R) : VIDEO SIGNAL ROUTE (R)
(G) : VIDEO SIGNAL ROUTE (G)
(B) : VIDEO SIGNAL ROUTE (B)

10.3 SYSMAIN ASSY (1/5)

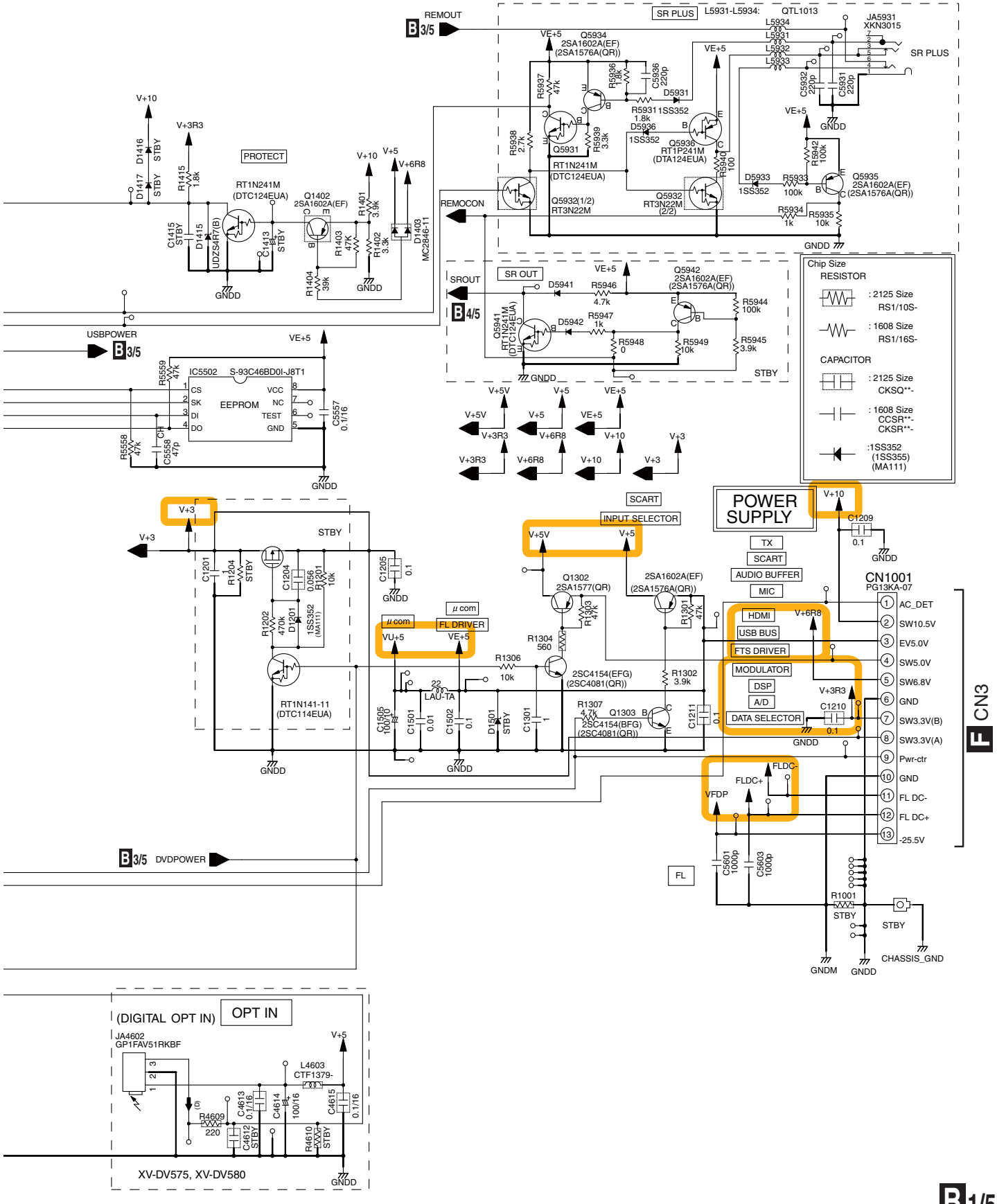


..	XV-DV385K/WSXJ5 SHORT	XV-DV395K/WSXJ5 4 TALL	XV-DV575/WYXJ5 (DSP)SHORT	XV-DV580/WYXJ5/WVXJ5 (DSP)4 TALL
XWM	3391	3394	3392	3395
R5513	15K	15K	-	-
R5514	47K	47K	-	47K
R5515	82K	82K	47K	47K
R5516	47K	-	47K	-

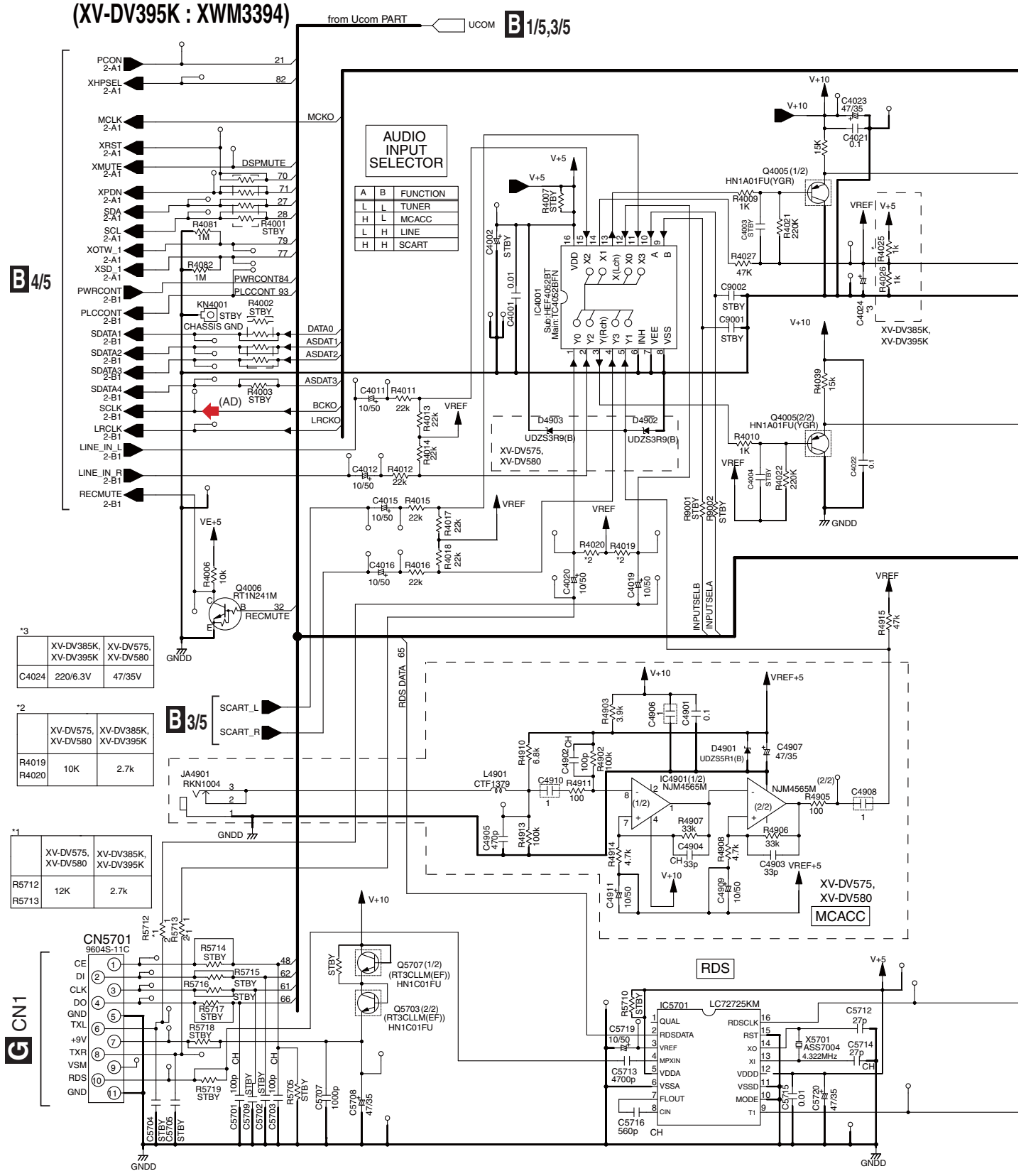
*2	XV-DV385K, XV-DV395K	XV-DV575, XV-DV580
R5502	100K	STBY
R5571	1K	STBY

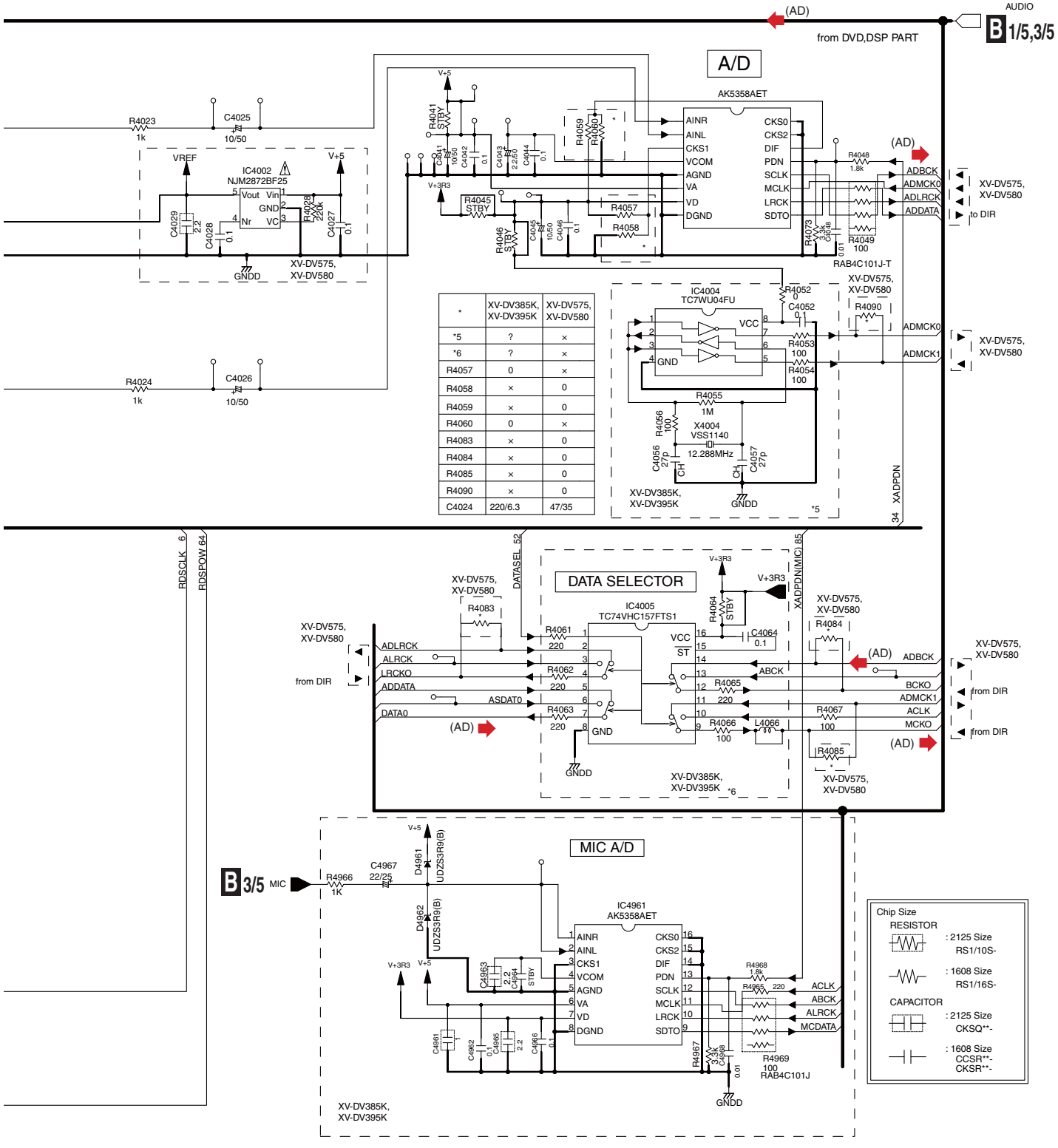
*1	XV-DV575 XV-DV580	XV-DV385K XV-DV395K
R5522	220	STBY
R5531	22k	0
R5537	220	STBY
R5538	220	STBY
R5542	220	STBY
R5544	STBY	0
R5598	220	STBY
R5543	STBY	0

B 1/5 SYSMAIN ASSY
(XV-DV575 : XWM3392) (XV-DV580 : XWM3395)
(XV-DV385K : XWM3391) (XV-DV395K : XWM3394)



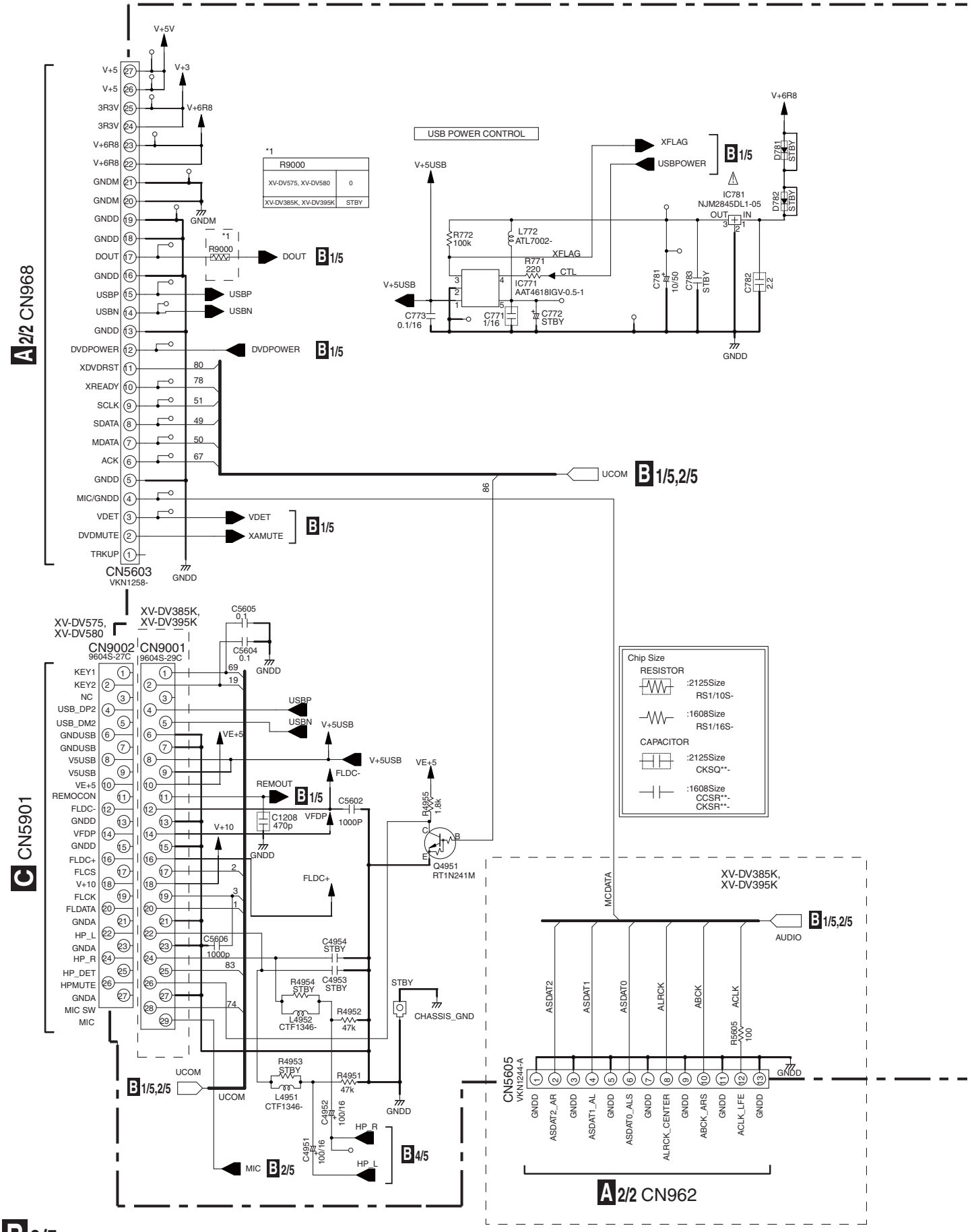
10.4 SYSMAIN ASSY (2/5)





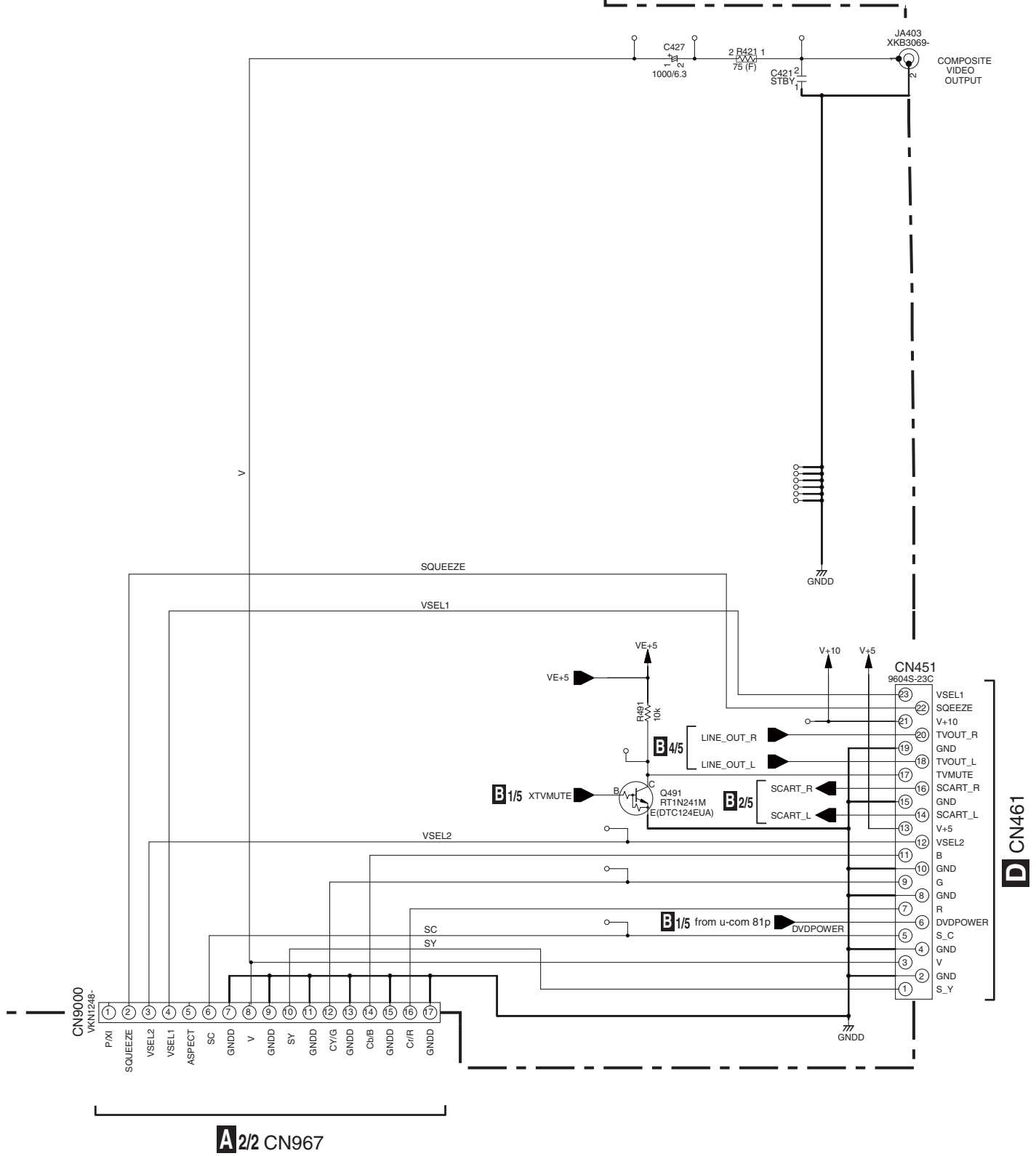
*	XV-DV385K, XV-DV395K	XV-DV575, XV-DV580
*5	?	×
*6	?	×
R4057	0	×
R4058	×	0
R4059	×	0
R4060	0	×
R4083	×	0
R4084	×	0
R4085	×	0
R4090	×	0
C4024	220/6.3	47/35

10.5 SYSMAIN ASSY (3/5)



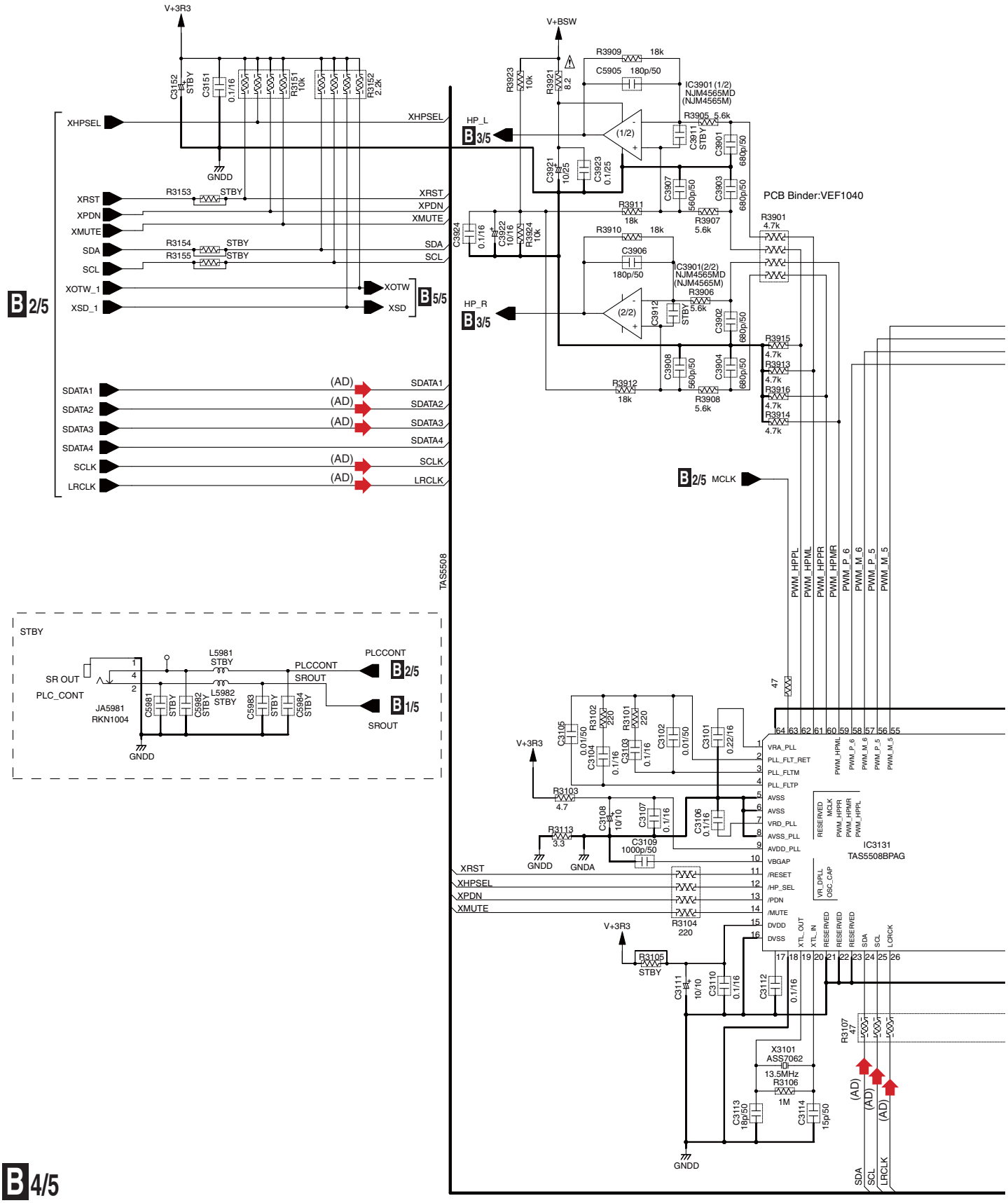
B 3/5

B 3/5 SYSMAIN ASSY
(XV-DV575 : XWM3392)
(XV-DV580 : XWM3395)
(XV-DV385K : XWM3391)
(XV-DV395K : XWM3394)

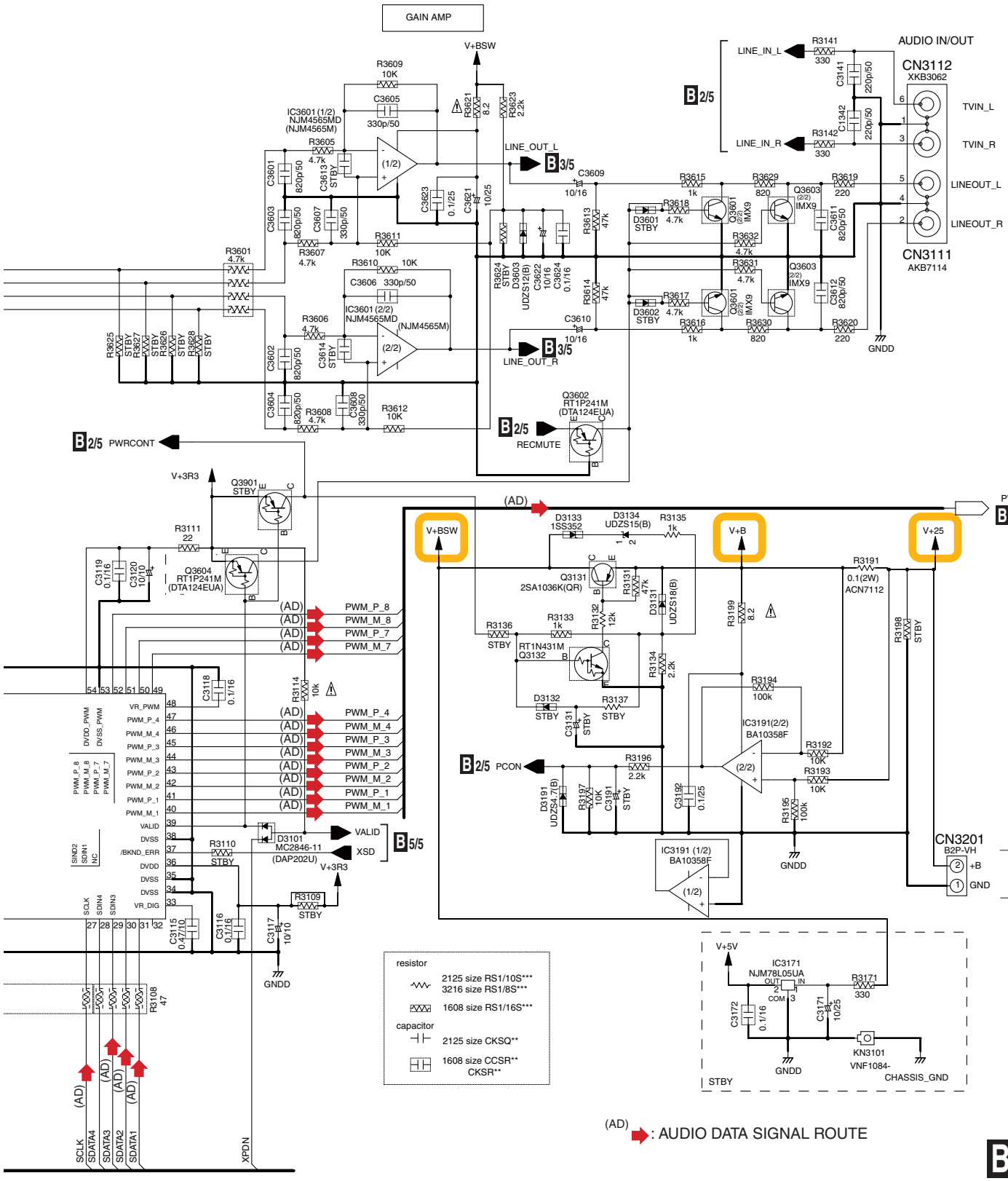


B 3/5

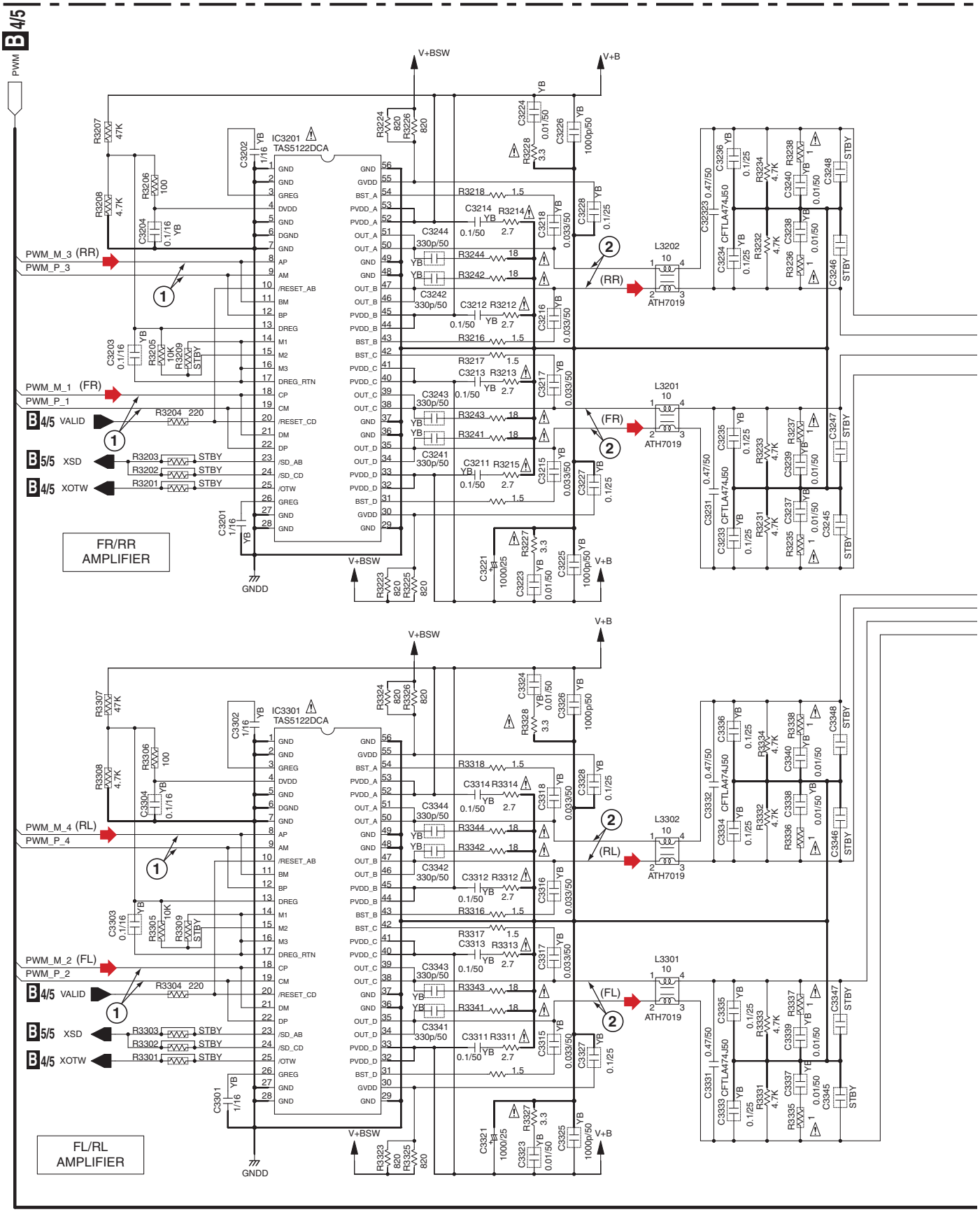
10.6 SYSMAIN ASSY (4/5)



B 4/5 SYSMAIN ASSY
(XV-DV575 : XWM3392)
(XV-DV580 : XWM3395)
(XV-DV385K : XWM3391)
(XV-DV395K : XWM3394)



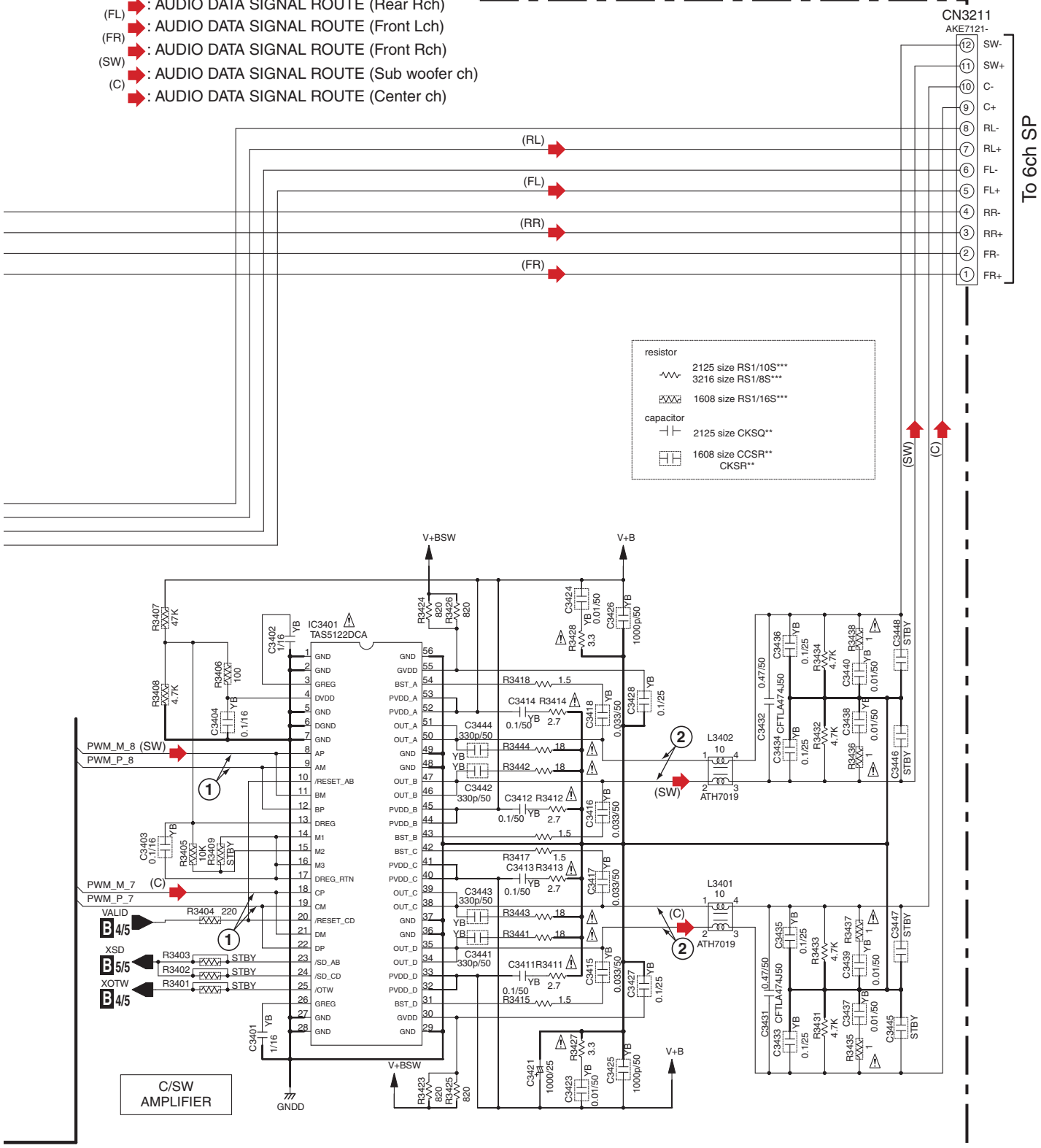
10.7 SYSMAIN ASSY (5/5)



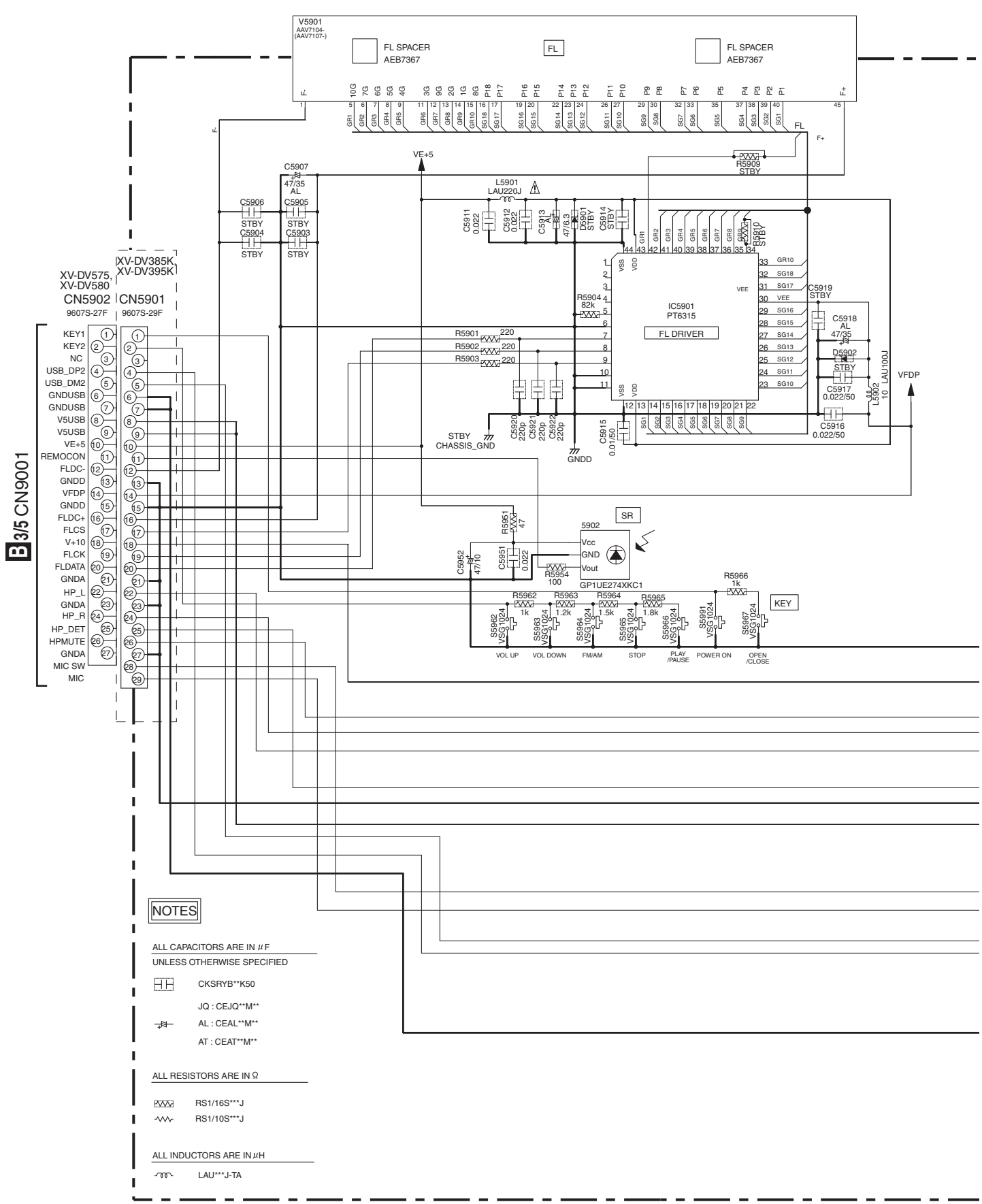
LAYOUT NOTE :
L325X L335X L345X are PCB track inductors approx.
50mm long and 1mm wide

B 5/5 SYSMAIN ASSY
(XV-DV575 : XWM3392) (XV-DV580 : XWM3395)
(XV-DV385K : XWM3391) (XV-DV395K : XWM3394)

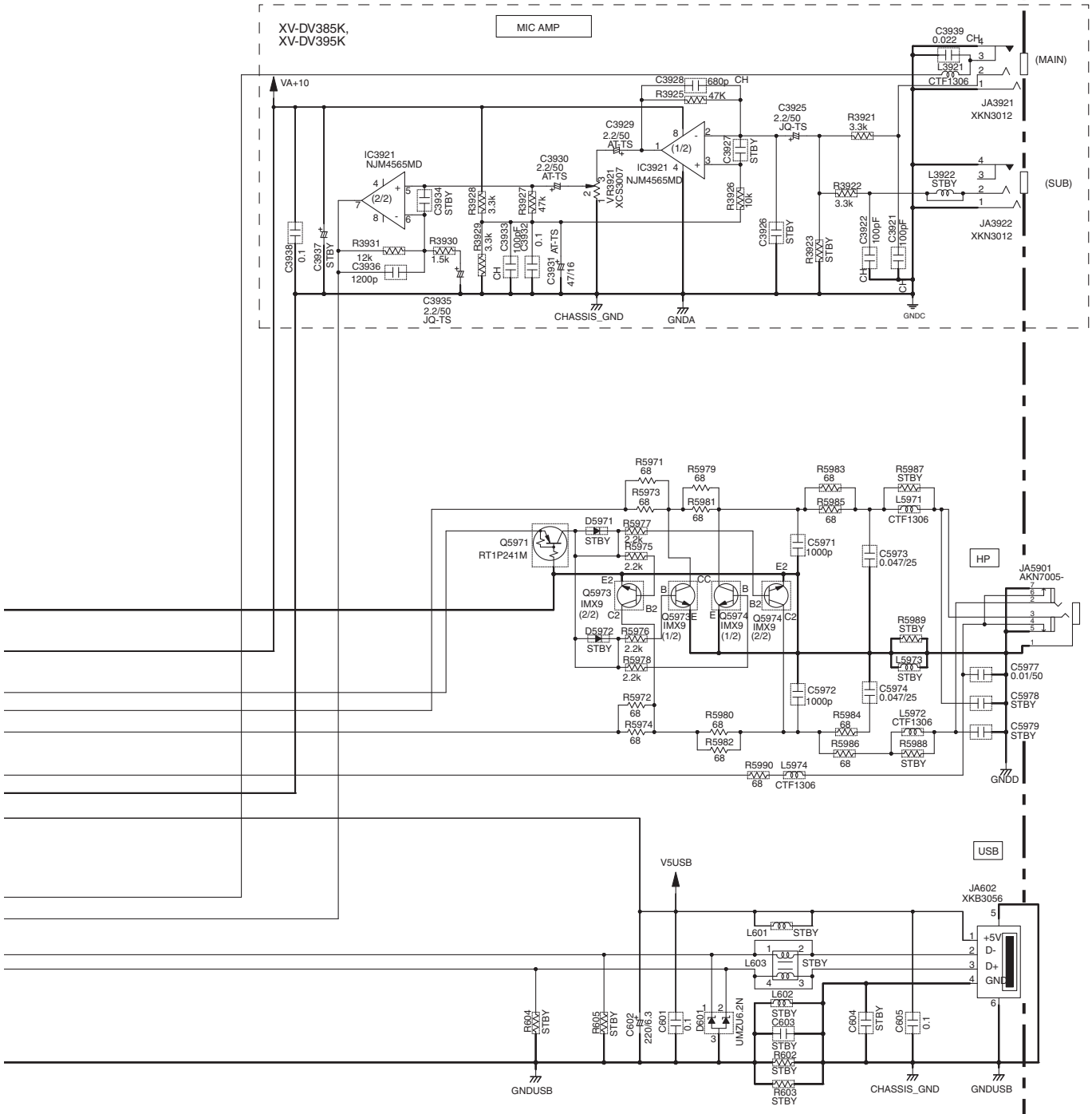
(RL) : AUDIO DATA SIGNAL ROUTE (Rear Lch)
(RR) : AUDIO DATA SIGNAL ROUTE (Rear Rch)
(FL) : AUDIO DATA SIGNAL ROUTE (Front Lch)
(FR) : AUDIO DATA SIGNAL ROUTE (Front Rch)
(SW) : AUDIO DATA SIGNAL ROUTE (Sub woofer ch)
(C) : AUDIO DATA SIGNAL ROUTE (Center ch)



10.8 COMPLEX ASSY

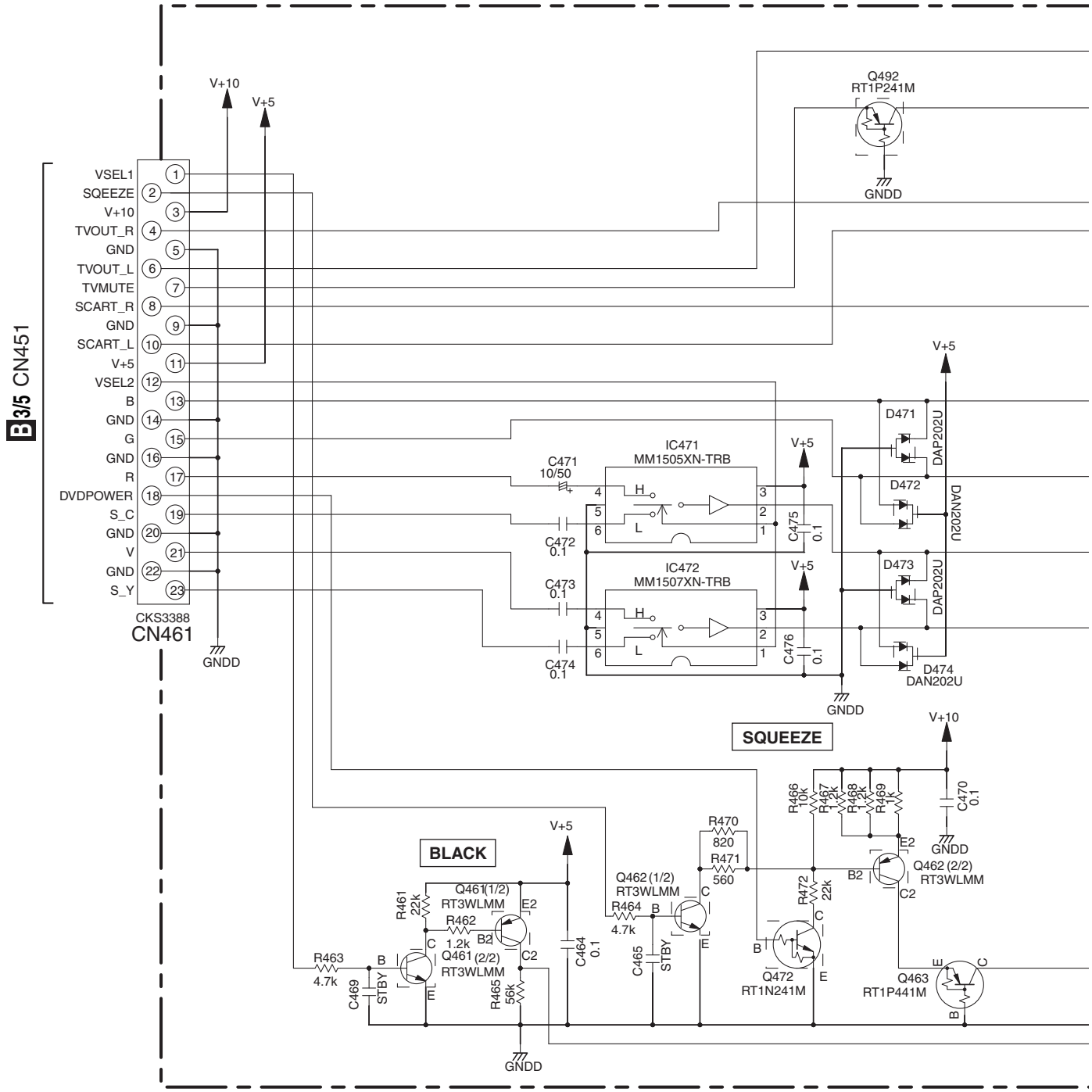


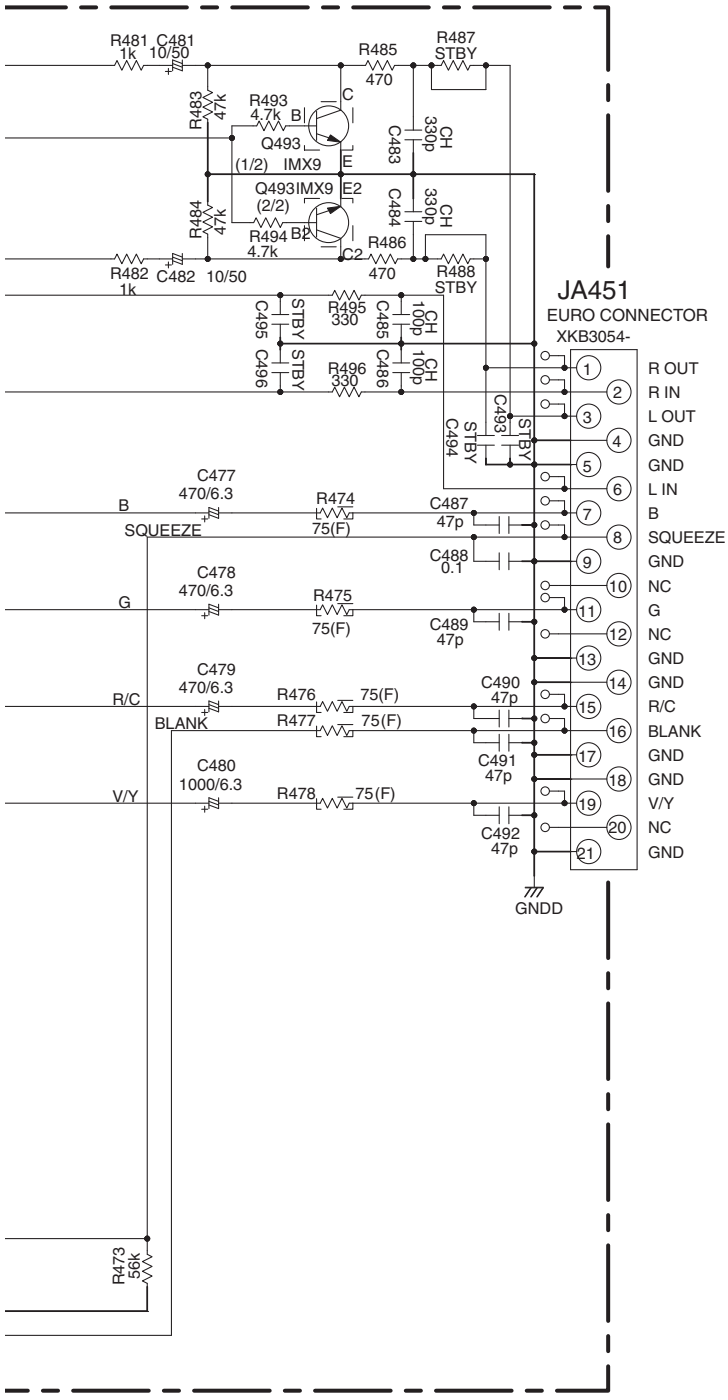
C COMPLEX ASSY
(XV-DV575, XV-DV580 : XWM3429)
(XV-DV385K, XV-DV395K : XWM3428)



10.9 EUROSCART ASSY

D EURO SCART ASSY (AWU8291)





NOTES

ALL CAPACITORS ARE IN μF
UNLESS OTHERWISE SPECIFIED

CKSRYB**K50

JQ : CEJQ**M**

AL : CEAL**M**

AT : CEAT**M**

ALL RESISTORS ARE IN Ω

RS1/16S***J

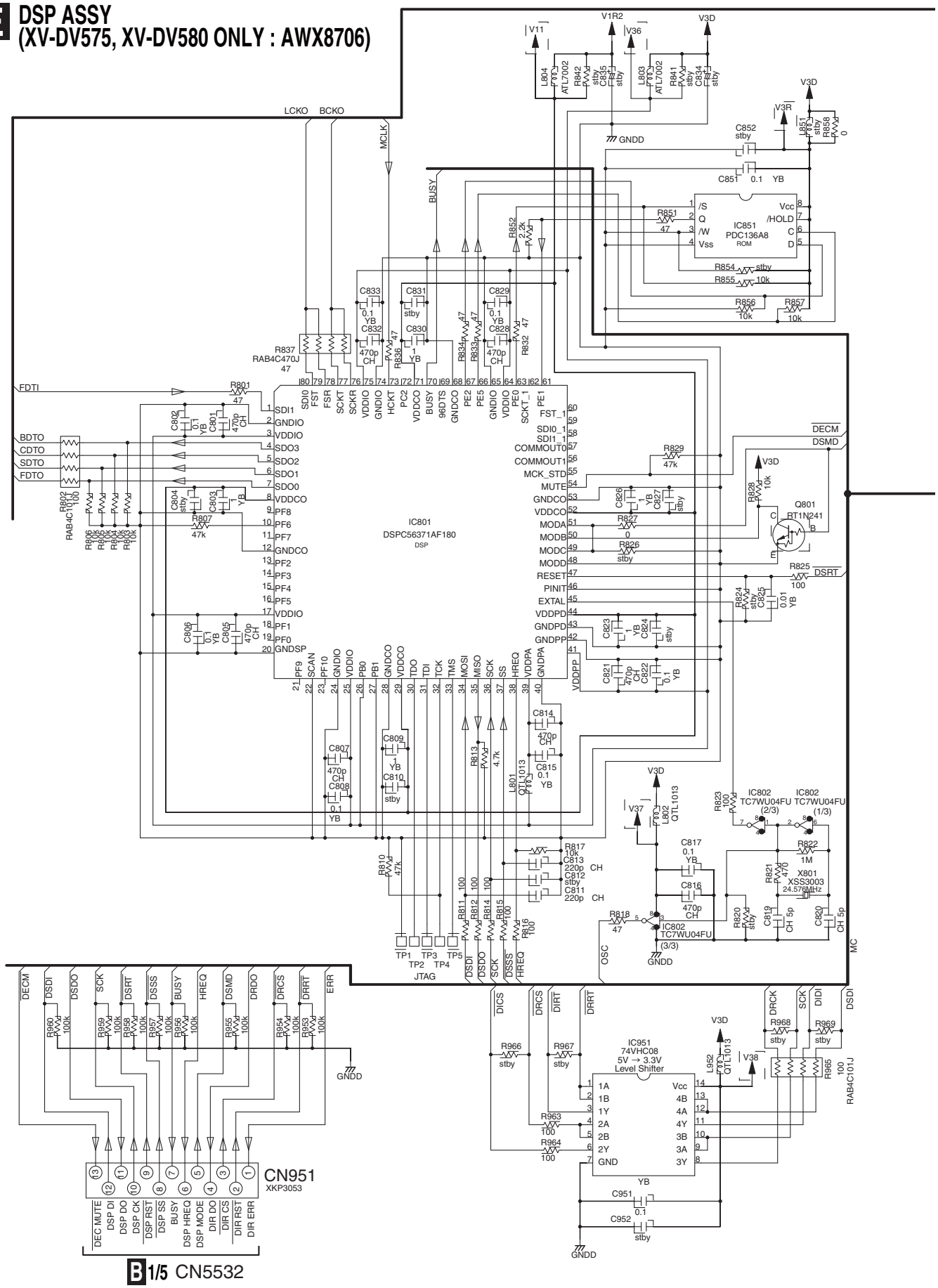
RS1/10S***J

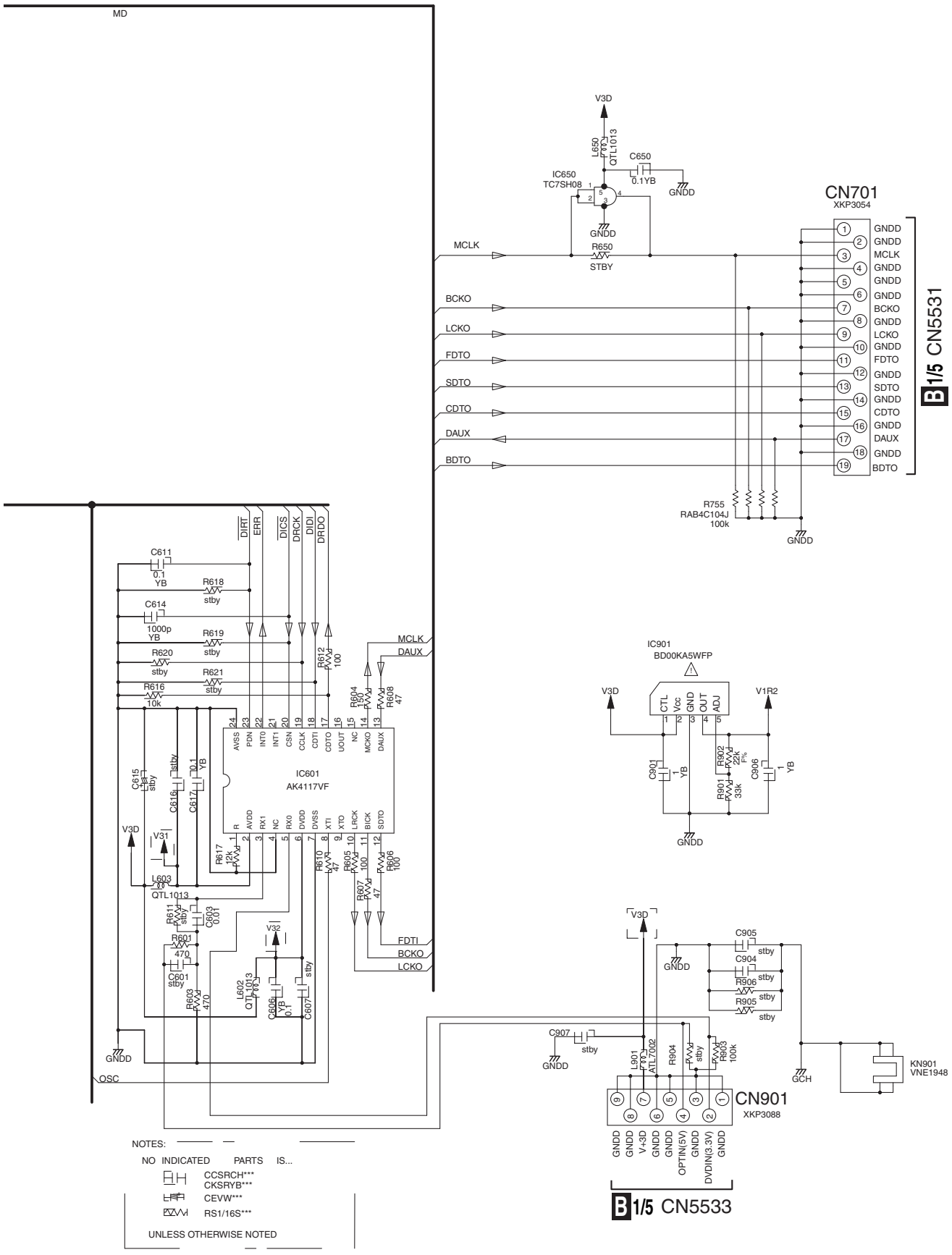
ALL INDUCTORS ARE IN μH

LCYA***J2520

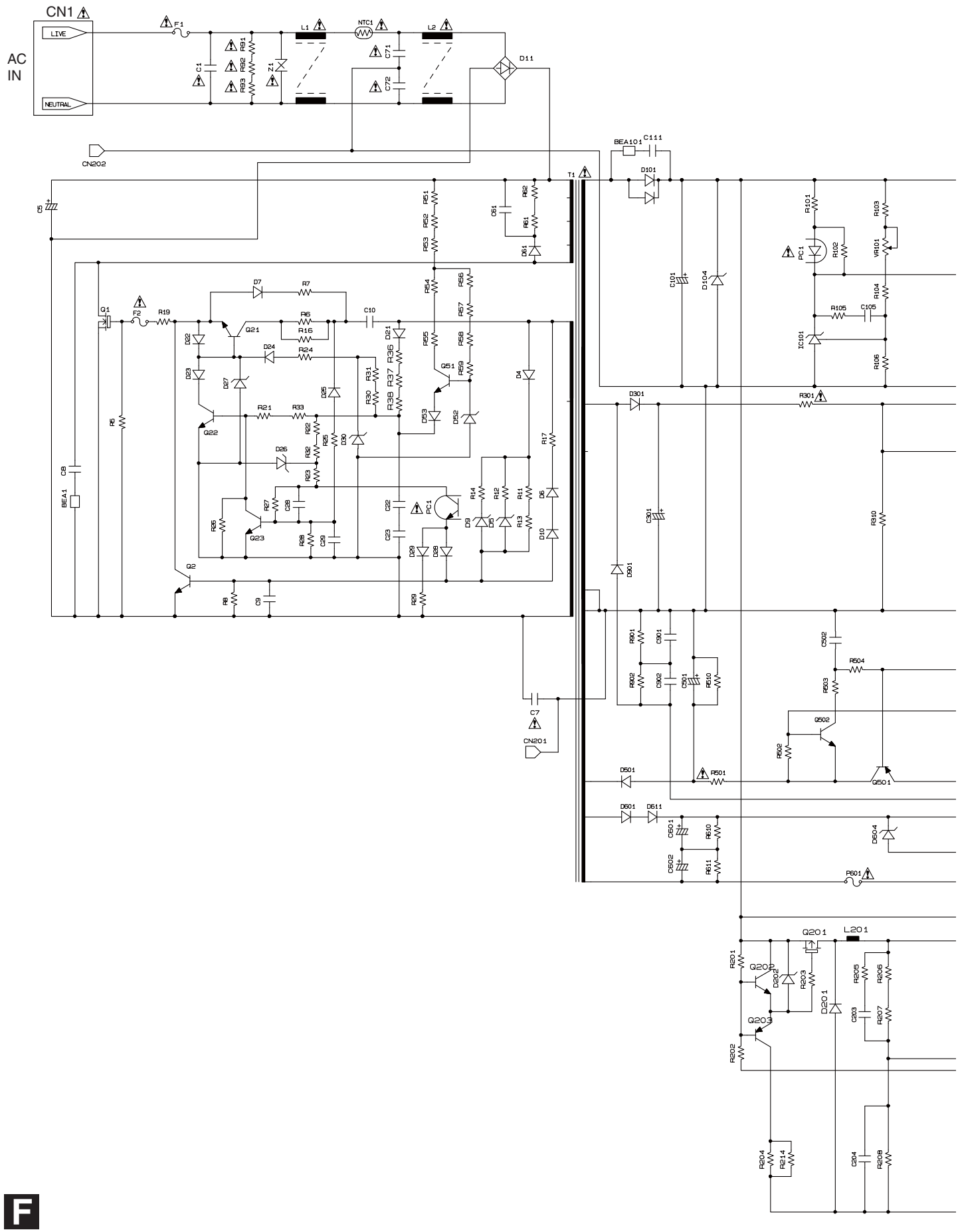
10.10 DSP ASSY (XV-DV575, XV-DV580 ONLY)

E DSP ASSY (XV-DV575, XV-DV580 ONLY : AWX8706)

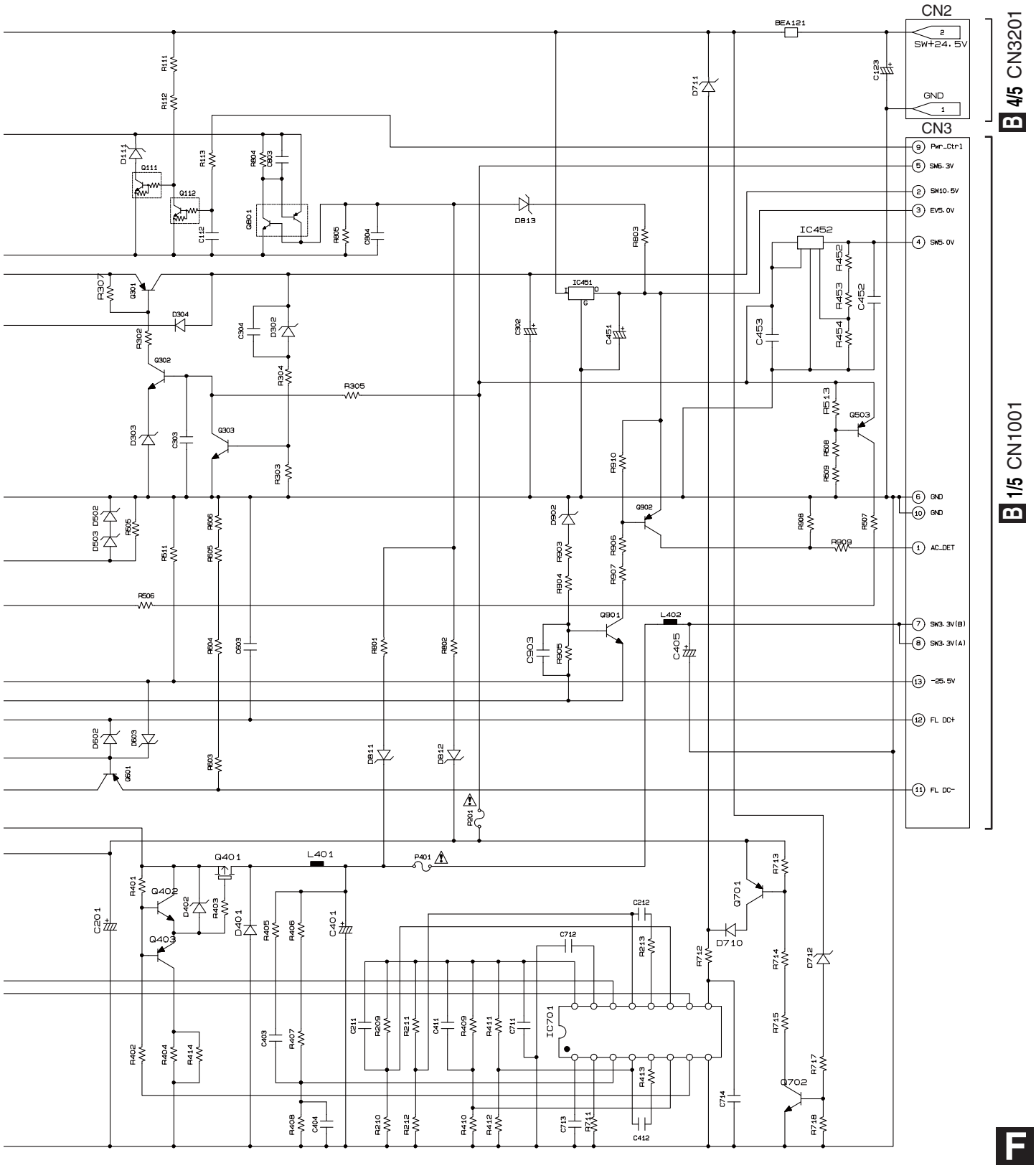



MD
V3D
L650
F10CJ
QTL1013
C650
0.1YB
GNDD
IC650
TC7SH08
R650
STBY
CN701
XKP3054
MCLK
BCKO
LCKO
FDTO
SDTO
CDTO
DAUX
BDTO
GNDD
B1/5 CN5531
R755
RAB4C104J
100k
DIRT
ERR
DICS
DRCK
DIDI
DRDO
C611
0.1
YB
R618
stby
C614
1000p
YB
R619
stby
R620
stby
R621
stby
R616
10k
R612
100
R604
100
R608
47
MCLK
DAUX
IC601
AK4117VF
AVSS
PDN
INT0
INT1
CSN
CCLK
CDTI
CDTO
UOUT
NC
MCKO
DAUX
R
AVDD
RX1
NC
RX0
DVDD
DVSS
XTI
XTO
LRCK
BICK
SDTO
C615
stby
C616
1stby
C617
0.1
YB
V3D
V31
L603
10
QTL1013
R617
12k
R610
47
R605
100
R606
100
R607
47
FDTI
BCKO
LCKO
R611
stby
C603
0.01
R601
470
C601
stby
V32
L602
QTL1013
R603
470
C606
YB
0.1
C607
stby
GNDD
OSC
IC901
BD00KA5WFP
V3D
V1R2
CTL
Vcc
GND
OUT
ADJ
C901
1
YB
R902
22k
F%
R901
33k
C906
1
YB
GNDD
V3D
C905
stby
GNDD
C904
stby
R906
stby
R905
stby
C907
stby
GNDD
L901
F10CJ
ATL7002
R904
stby
R903
100k
GCH
KN901
VNE1948
CN901
XKP3088
GNDD
GNDD
V-3D
GNDD
GNDD
OPTIN(5V)
GNDD
DVDIN(3.3V)
GNDD
B1/5 CN5533
NOTES:
NO INDICATED PARTS IS...
CCSRCH***
CKSRYB***
CEVW***
RS1/16S***
UNLESS OTHERWISE NOTED

10.11 POWER SUPPLY UNIT



F POWER SUPPLY UNIT (XWR3018)

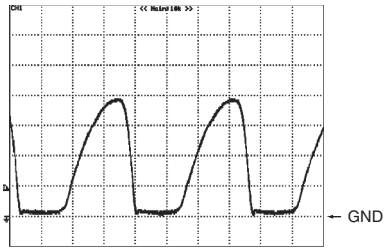


10.12 WAVEFORMS

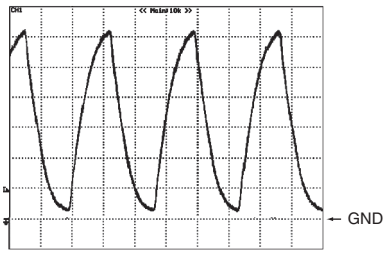
Note : The encircled numbers denote measuring point in the schematic diagram.

A 08 DVDM ASSY

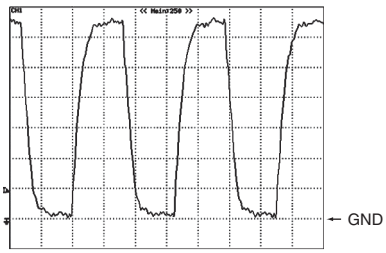
⓪ X201 [XTALO]
V: 0.5 V/div. H: 10 ns/div.
It must be mesured by High-impedance probe.



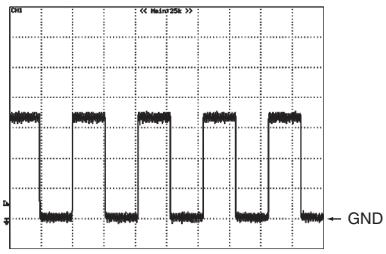
① IC201 - pin 231 [ACLK]
V: 0.5 V/div. H: 10 ns/div.
It must be mesured by High-impedance probe.



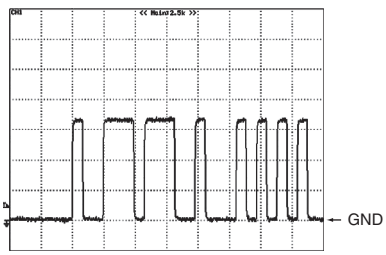
② IC201 - pin 230 [ABCK]
V: 0.5 V/div. H: 50 ns/div.
It must be mesured by High-impedance probe.



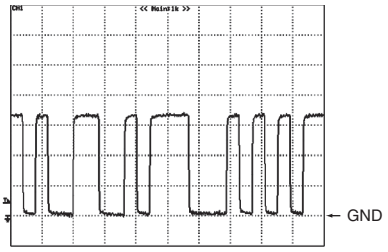
③ IC201 - pin 227 [ALRCK]
V: 1 V/div. H: 5 µs/div.
It must be mesured by High-impedance probe.



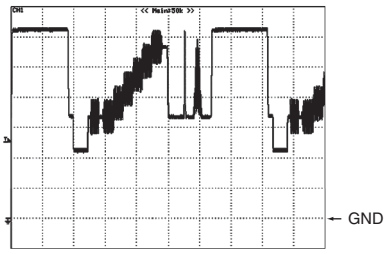
④ IC201 - pin 226, 225, 223 [ASDATA0/1/2]
V: 1 V/div. H: 500 ns/div.
It must be mesured by High-impedance probe.



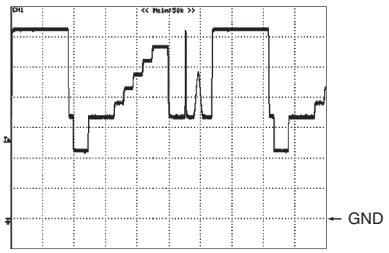
⑤ IC201 - pin 215 [ASPDIF]
V: 1 V/div. H: 200 ns/div.
It must be mesured by High-impedance probe.



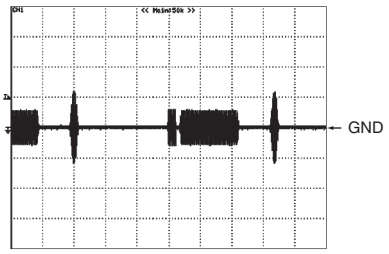
⑥ IC401 - pin 23 [CVBSOUT]
V: 0.5 V/div. H: 10 µs/div.
Playing DVD-REF-A1 Tr.2 Cp.1



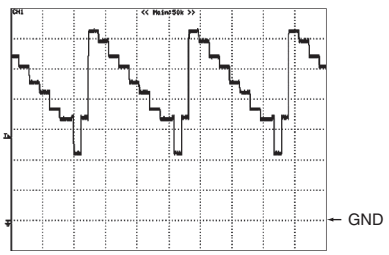
⑦ IC401 - pin 21 [YOUT]
V: 0.5 V/div. H: 10 µs/div.
Playing DVD-REF-A1 Tr.2 Cp.1



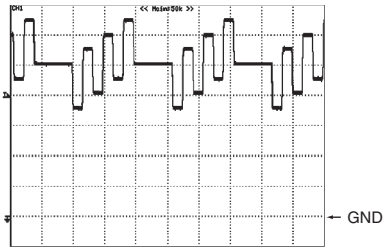
⑧ IC401 - pin 26 [COUT]
V: 0.5 V/div. H: 10 µs/div.
Playing DVD-REF-A1 Tr.2 Cp.1



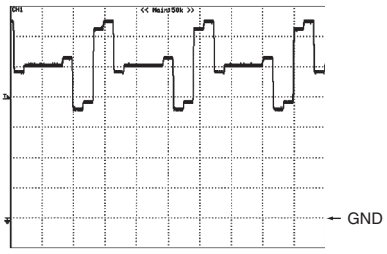
⑨ IC401 - pin 20 [CYOUT]
V: 0.5 V/div. H: 10 µs/div.
Playing DVD-REF-A1 Tr.2 Cp.19, Progressive output



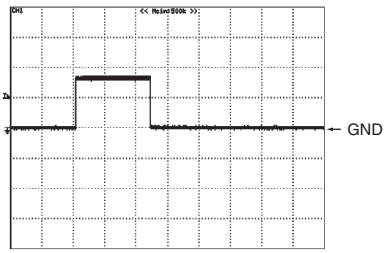
⑩ IC401 - pin 18 [CbOUT]
V: 0.5 V/div. H: 10 µs/div.
Playing DVD-REF-A1 Tr.2 Cp.19, Progressive output



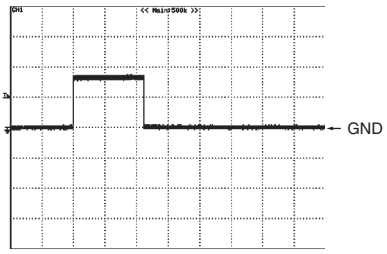
⑪ IC401 - pin 16 [CrOUT]
V: 0.5 V/div. H: 10 µs/div.
Playing DVD-REF-A1 Tr.2 Cp.19, Progressive output



⑫ IC201 - pin 38 [TROPEN]
V: 2 V/div. H: 500 ms/div.
Tray closing

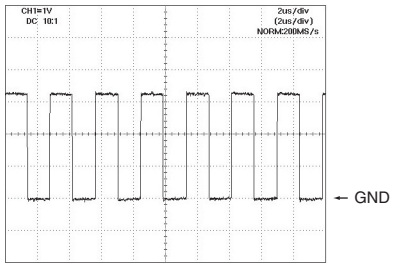


⑬ IC201 - pin 202 [TRCLOSE]
V: 2 V/div. H: 500 ms/div.
Tray opening

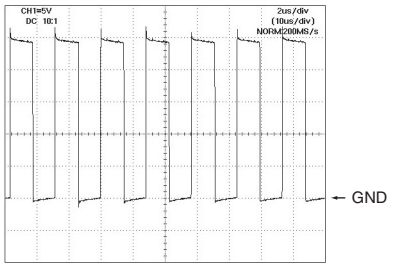


B SYSMAIN ASSY

① IC3201, IC3301, IC3401 [PWM_M, PWM_P]
V: 1 V/div. H: 2 μsec/div.



② IC3201, IC3301, IC3401 [OUT_A, B, C, D]
V: 5 V/div. H: 2 μsec/div.



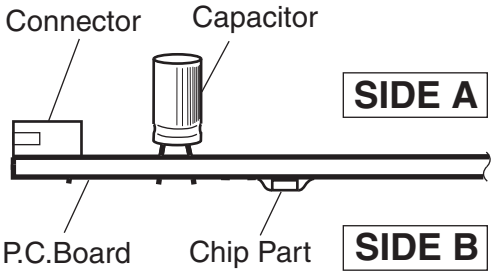
11. PCB CONNECTION DIAGRAM

NOTE FOR PCB DIAGRAMS :

1. Part numbers in PCB diagrams match those in the schematic diagrams.
2. A comparison between the main parts of PCB and schematic diagrams is shown below.

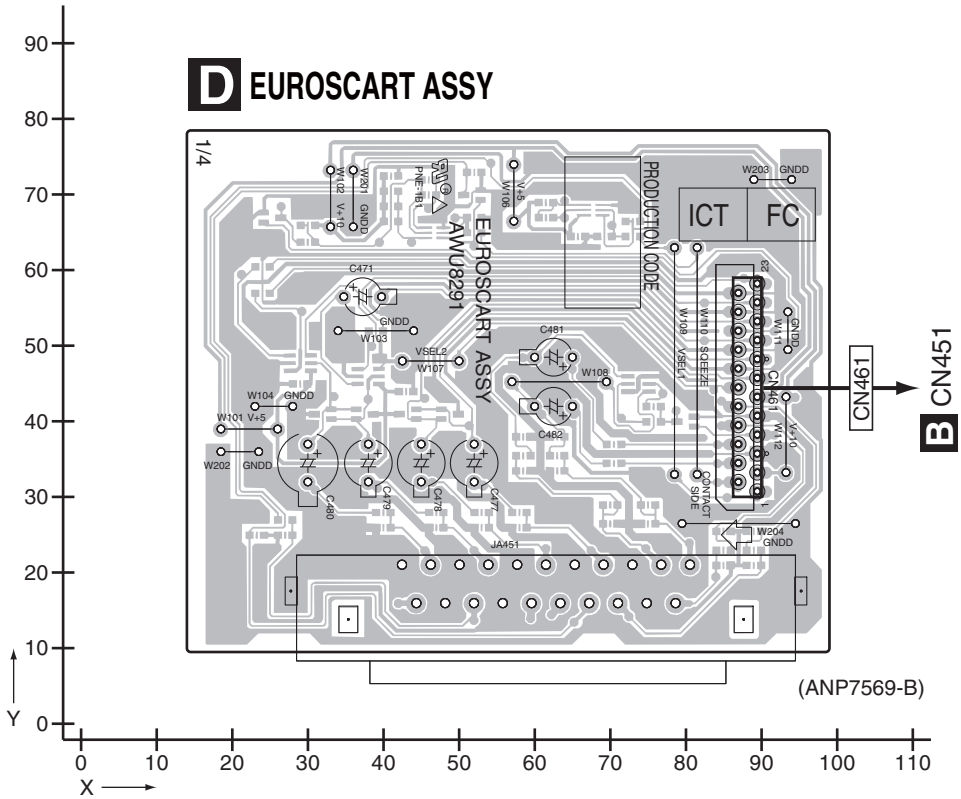
Symbol In PCB Diagrams	Symbol In Schematic Diagrams	Part Name
B C E	B C E B C E	Transistor
B C E	B C E B C E	Transistor with resistor
D G S	D G S D G S	Field effect transistor
		Resistor array
		3-terminal regulator

3. The parts mounted on this PCB include all necessary parts for several destinations.
   For further information for respective destinations, be sure to check with the schematic diagram.
4. View point of PCB diagrams.

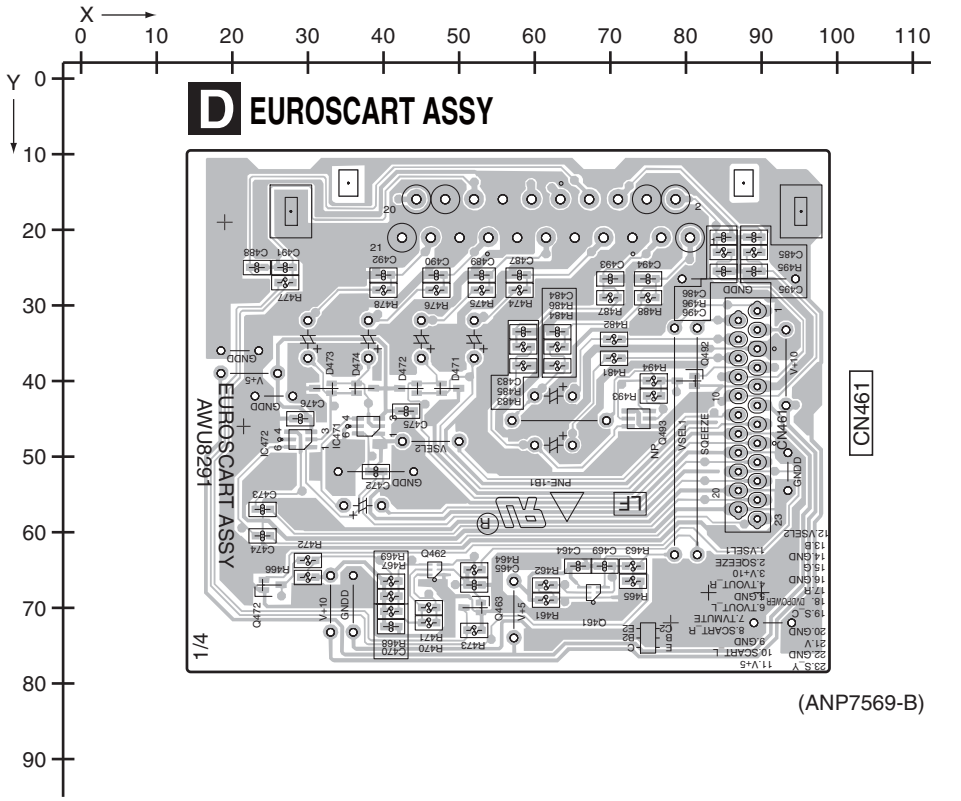


11.1 EUROSCART ASSY

SIDE A



SIDE B



11.2 08 DVDM ASSY

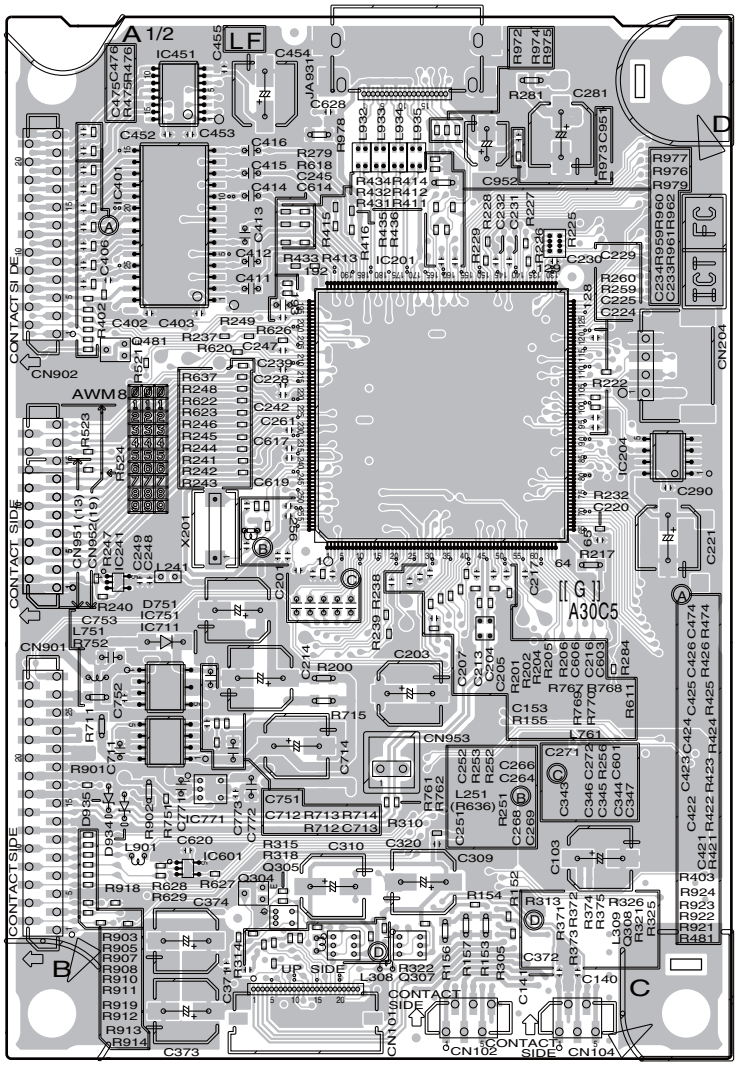
SIDE A

SIDE A

A 08 DVDM ASSY

IC Q

IC451
IC401
IC201
Q481
IC204
IC241
IC751
IC711
IC771
IC601
Q304
Q305
Q308
Q307

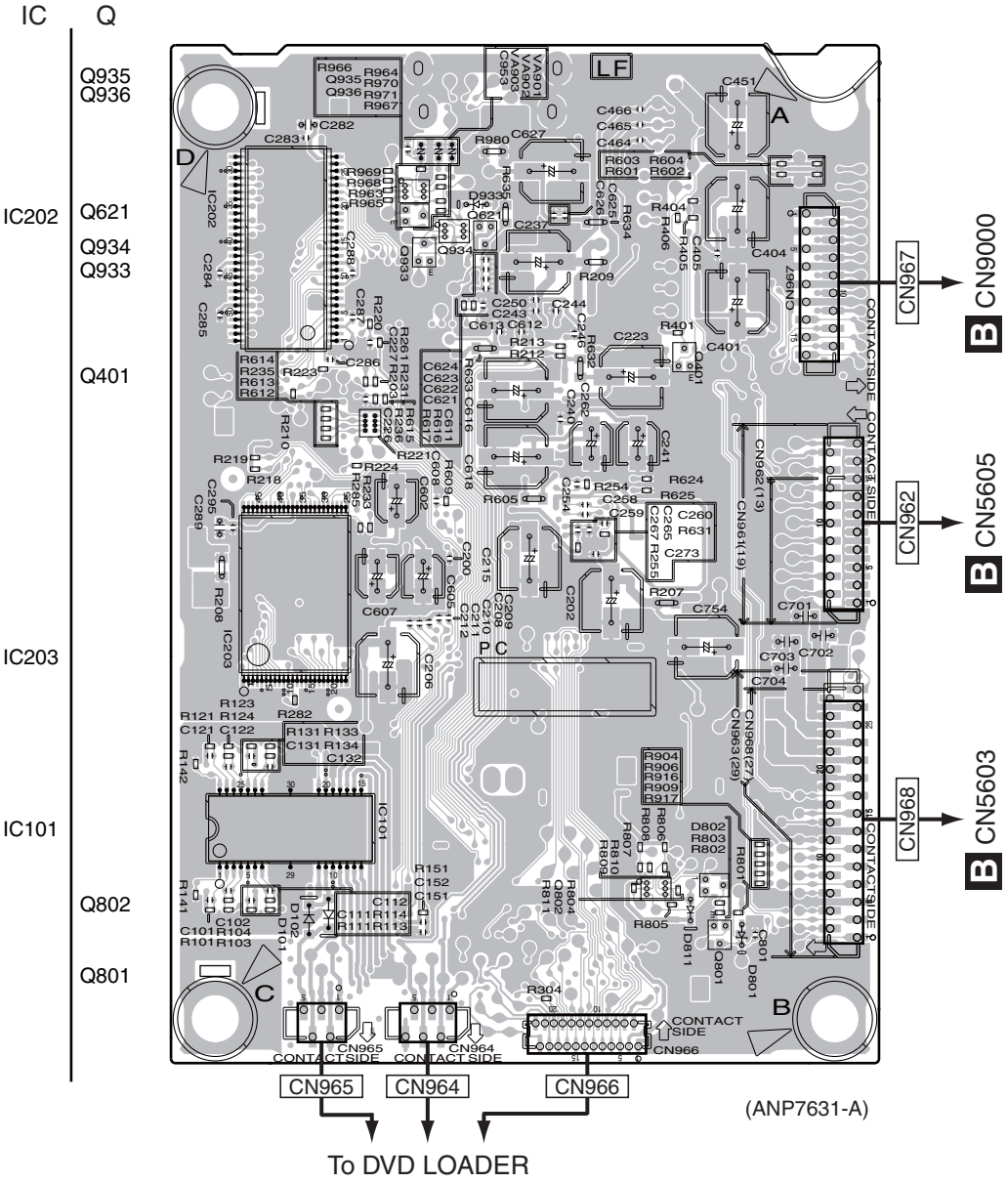


(ANP7631-A)

SIDE B

SIDE B

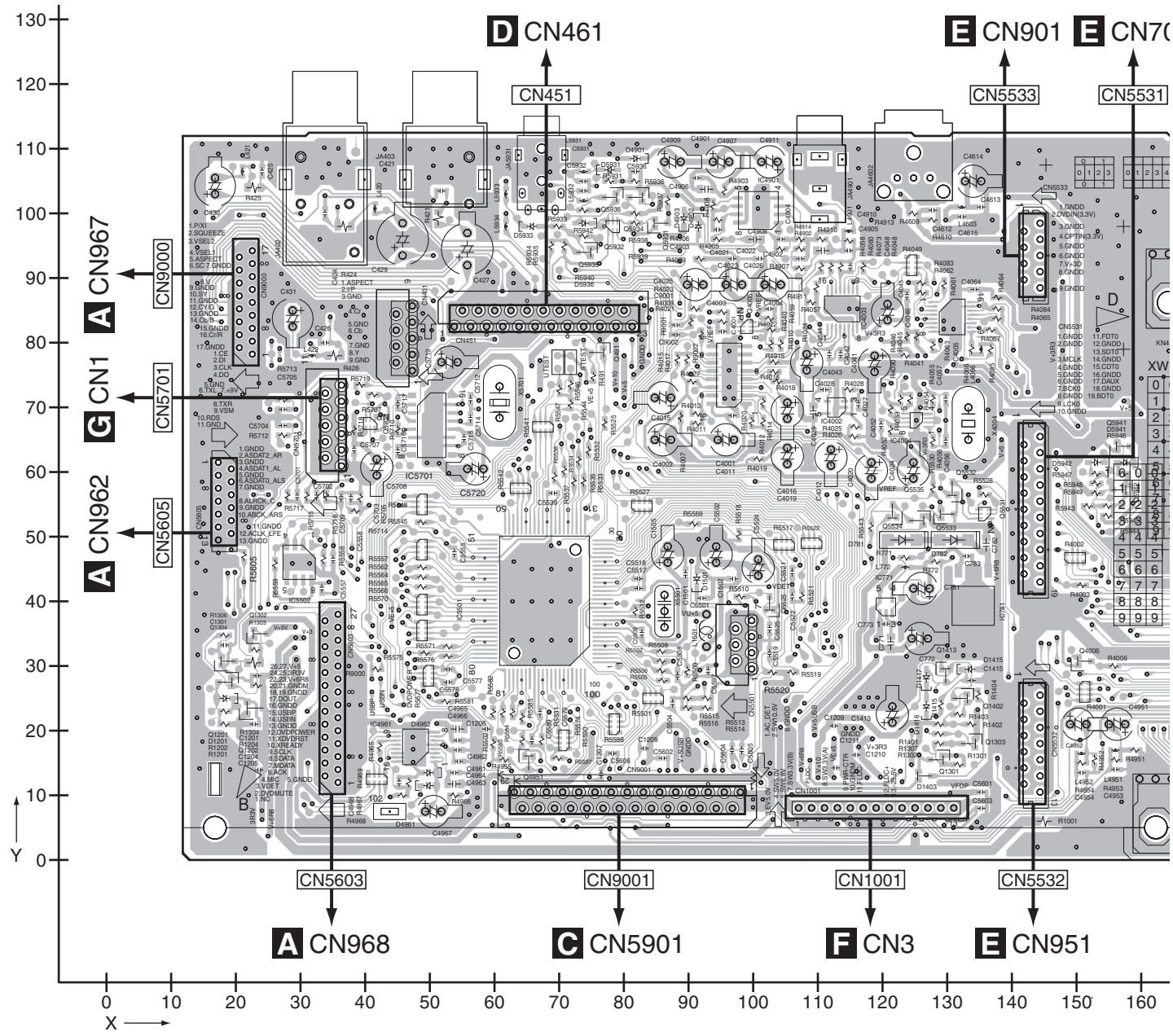
A 08 DVDM ASSY



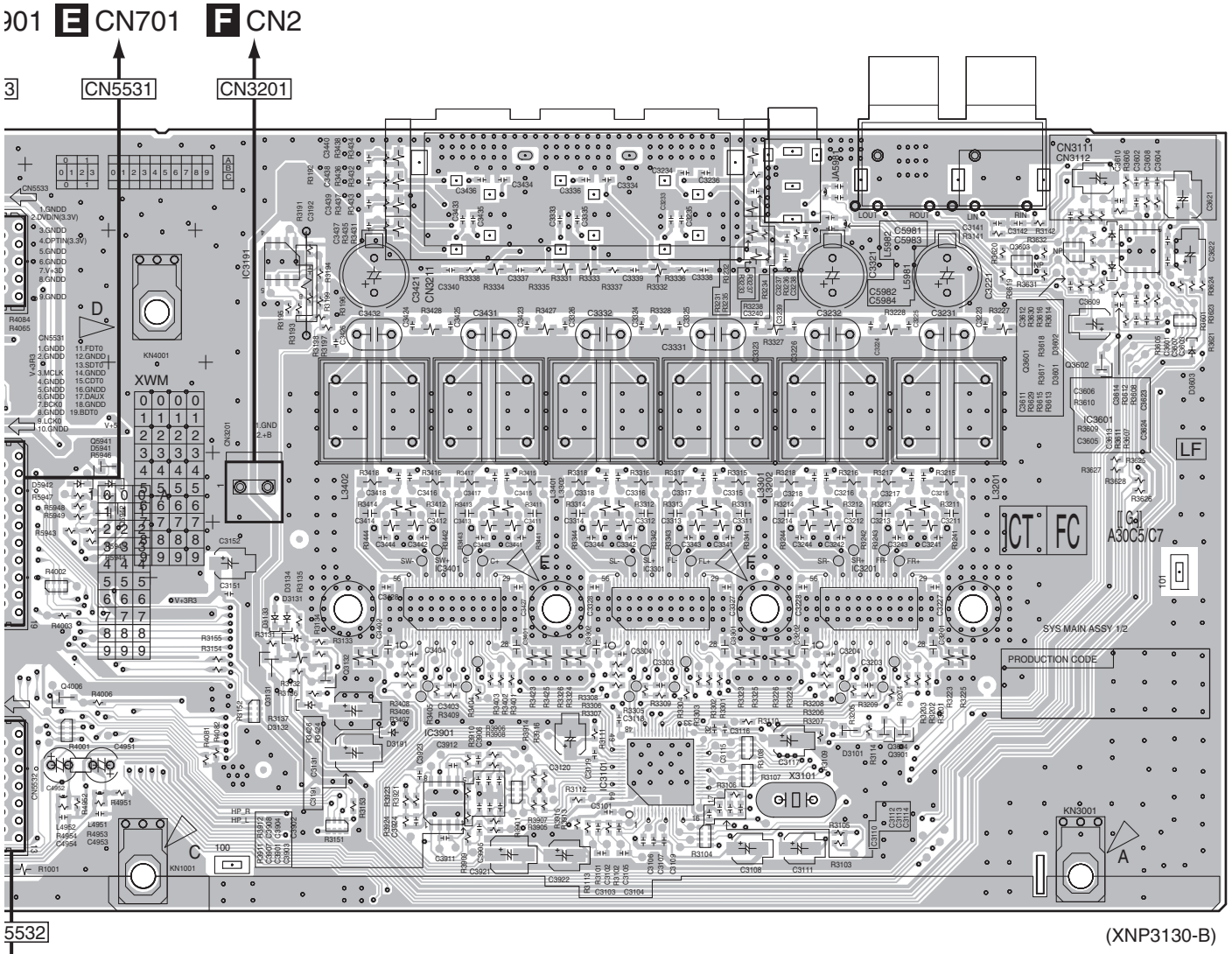
11.3 SYSMAIN ASSY

SIDE A

B SYSMAIN ASSY

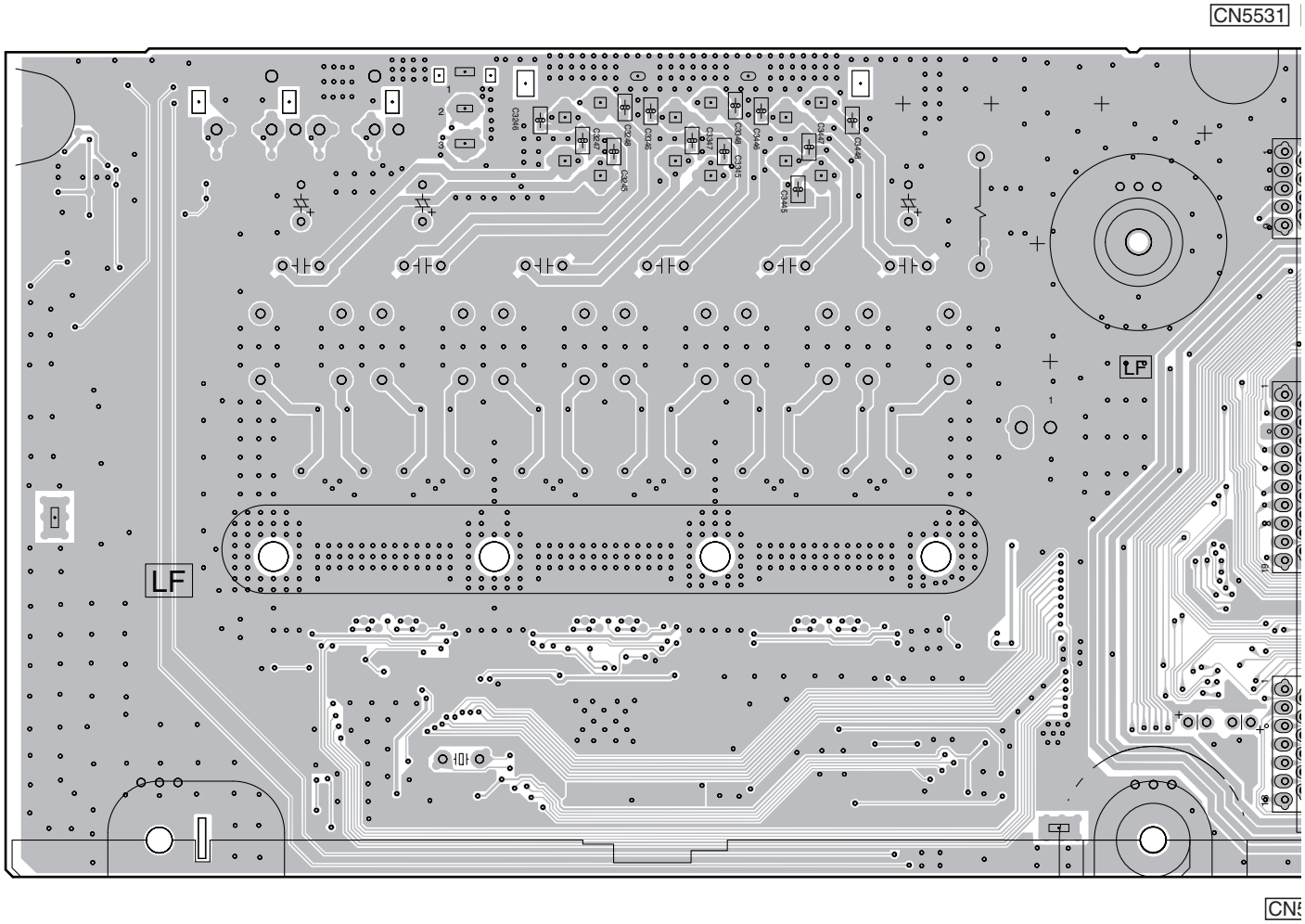


SIDE A


901
E CN701
F CN2
CN5531
CN3201
CN5532
CN951
(XNP3130-B)
SYS MAIN ASSY 1/2
PRODUCTION CODE
A3005/C7
IC3191
IC3901
IC3601
IC3101
X3101
KN4001
KN1001
KN3001
CN3111
CN3112
LF
150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320

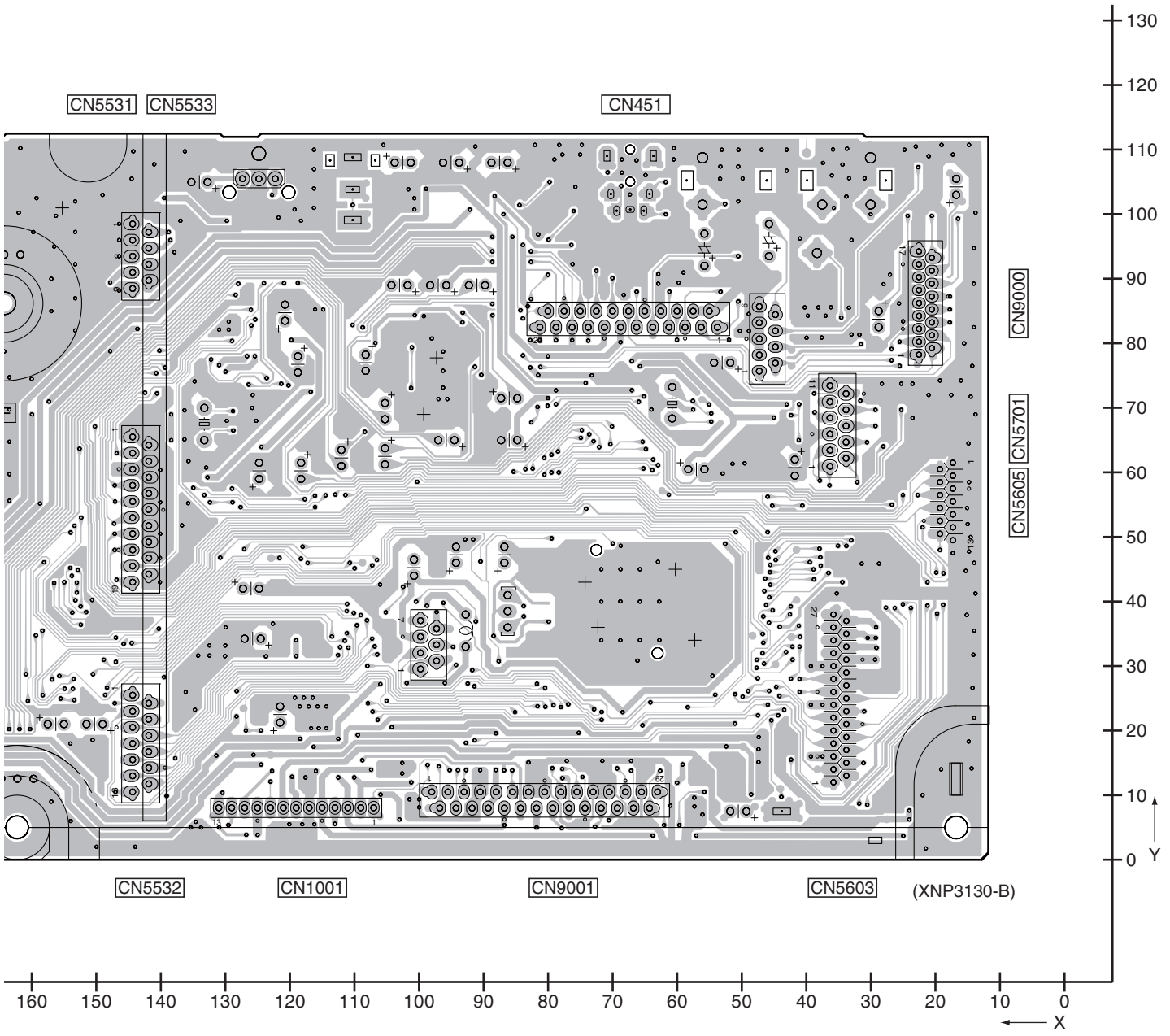
SIDE B

B SYSMAIN ASSY



320 310 300 290 280 270 260 250 240 230 220 210 200 190 180 170 160 150

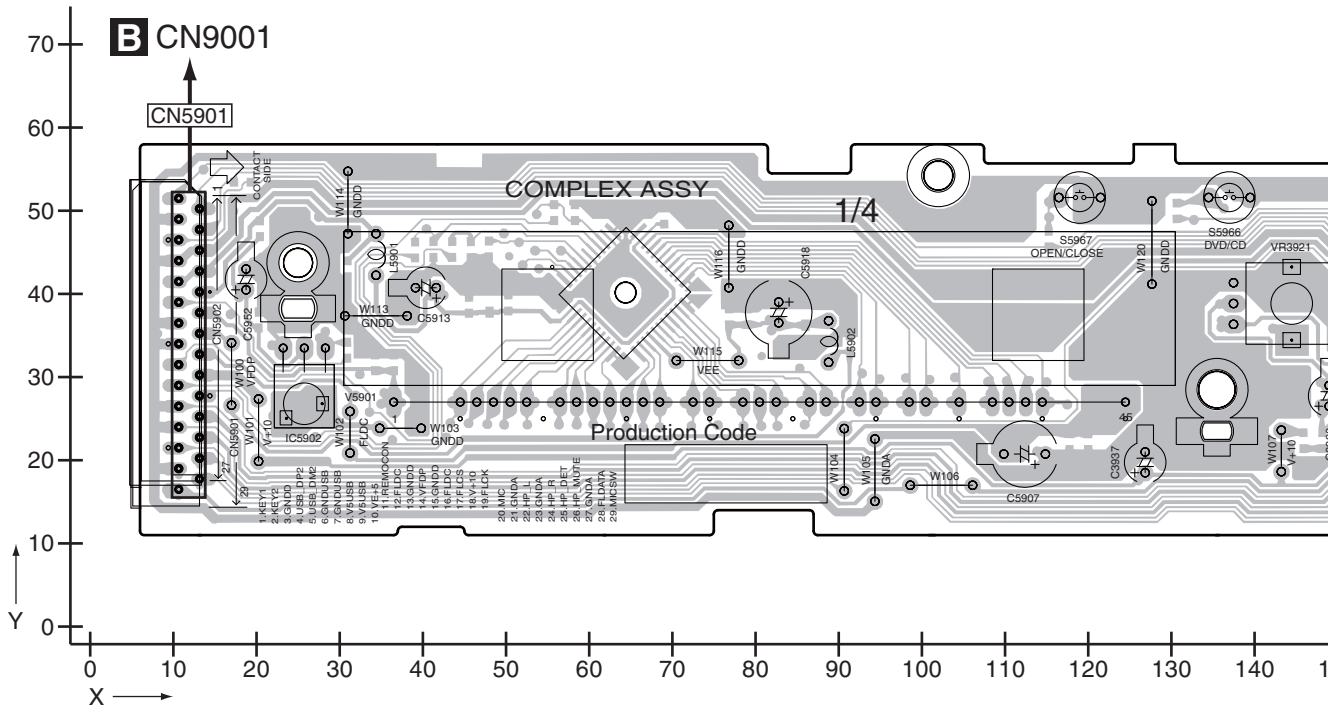
SIDE B


CN5531
CN5533
CN451
CN9000
CN5701
CN5605
CN5532
CN1001
CN9001
CN5603
(XNP3130-B)
130 120 110 100 90 80 70 60 50 40 30 20 10 0 Y
160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 X

11.4 COMPLEX ASSY

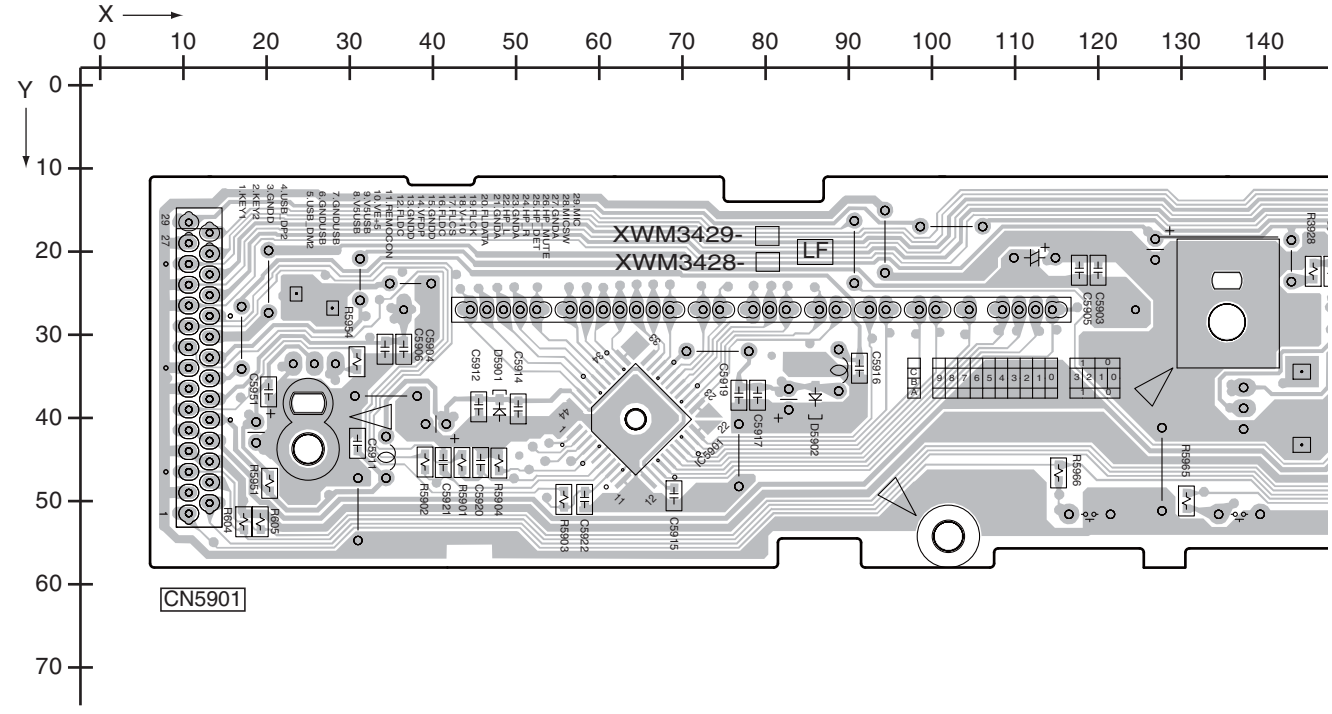
SIDE A

C COMPLEX ASSY



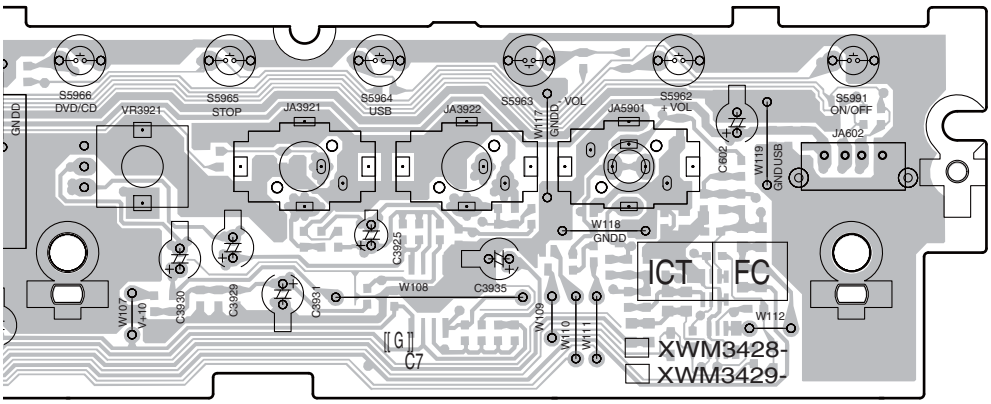
SIDE B

C COMPLEX ASSY



C

SIDE A

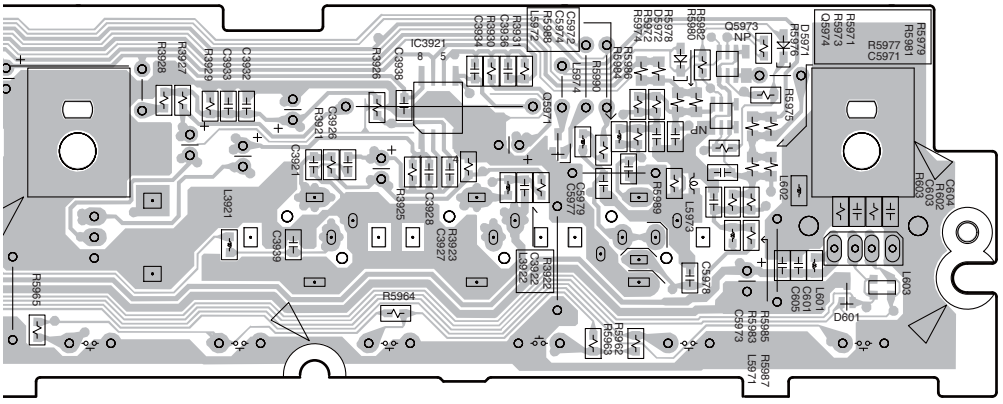


(XNP3131-B)

130 140 150 160 170 180 190 200 210 220 230 240 250

SIDE B

130 140 150 160 170 180 190 200 210 220 230 240 250



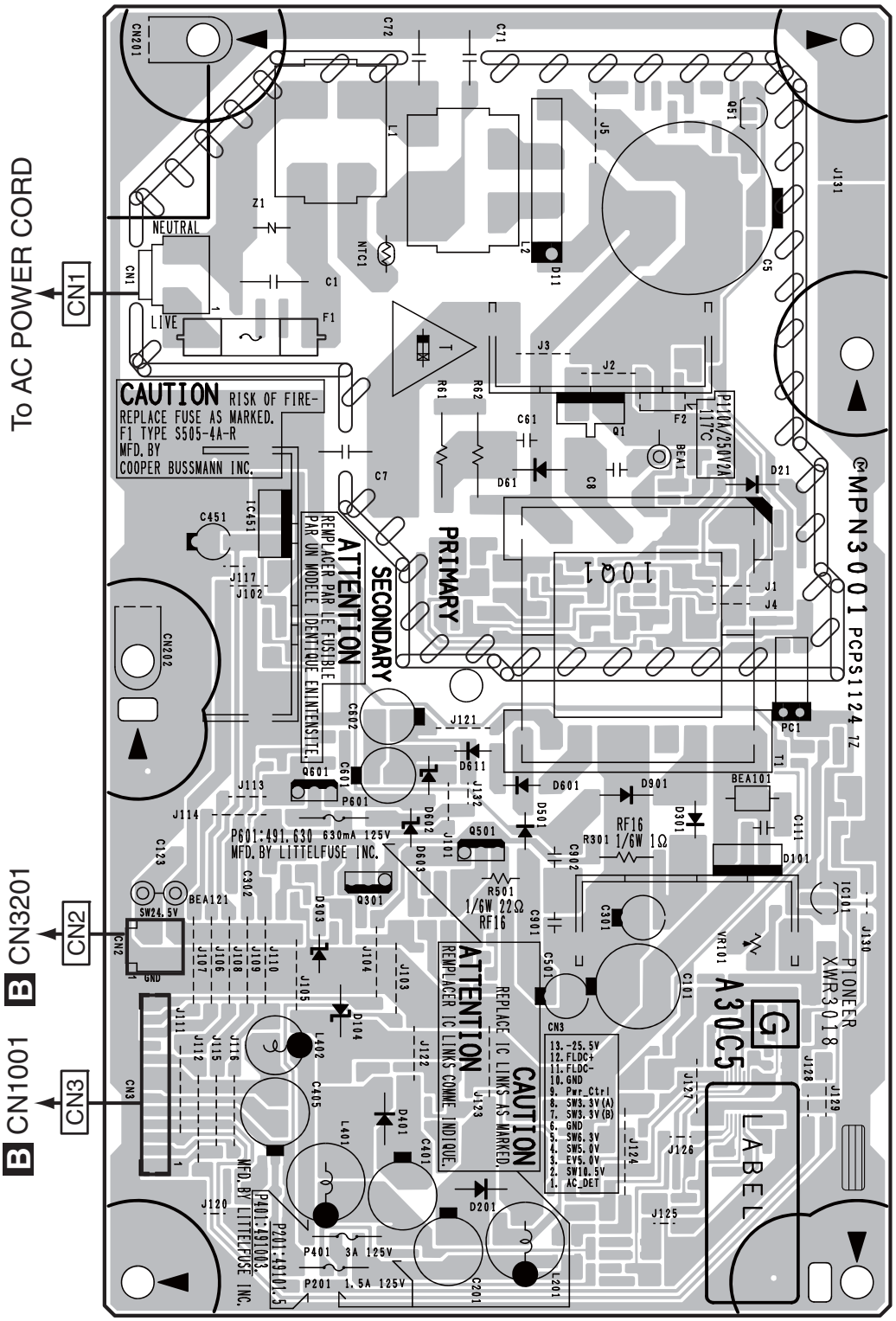
(XNP3131-B)

11.5 POWER SUPPLY UNIT

SIDE A

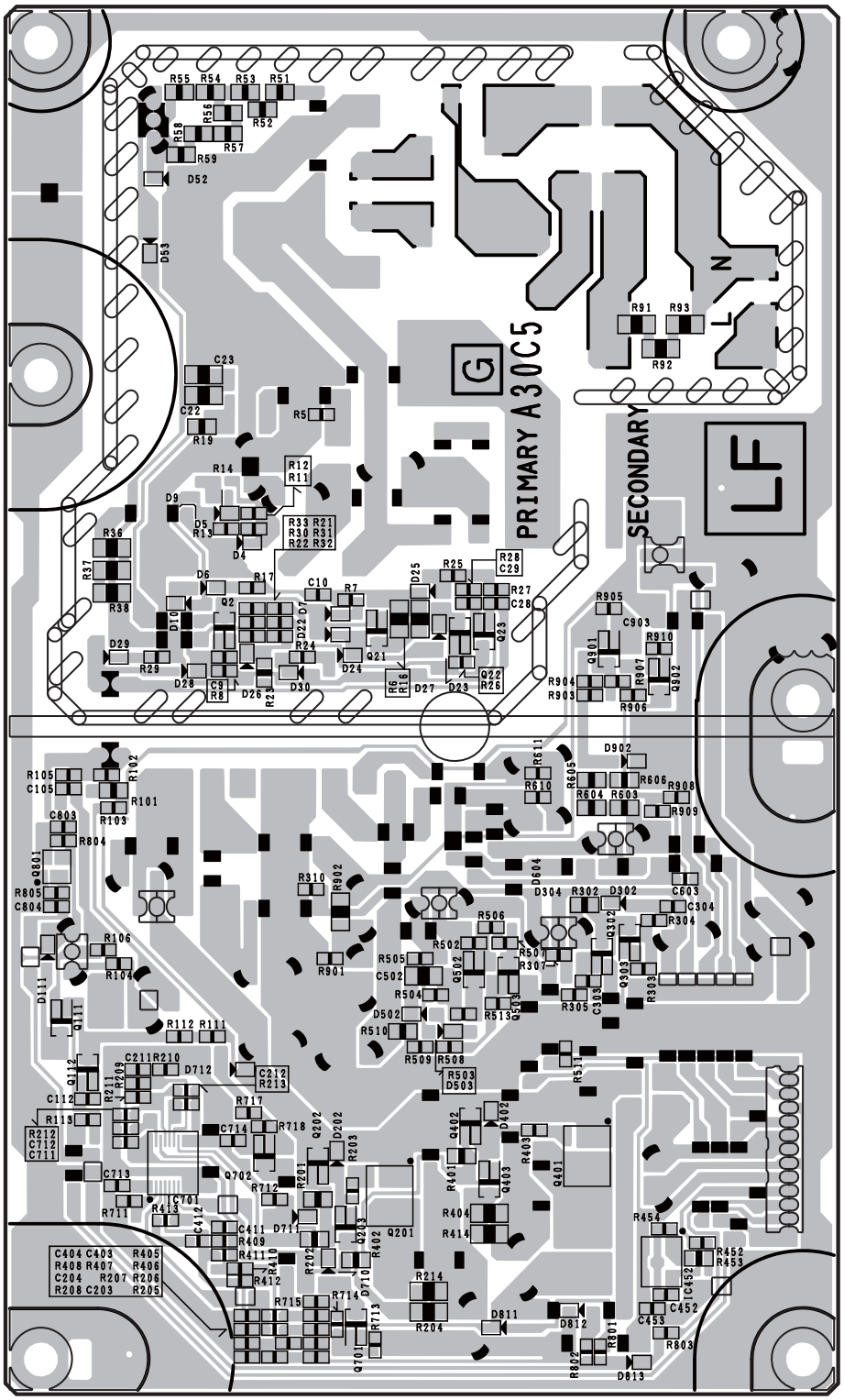
SIDE A

F POWER SUPPLY UNIT



SIDE B

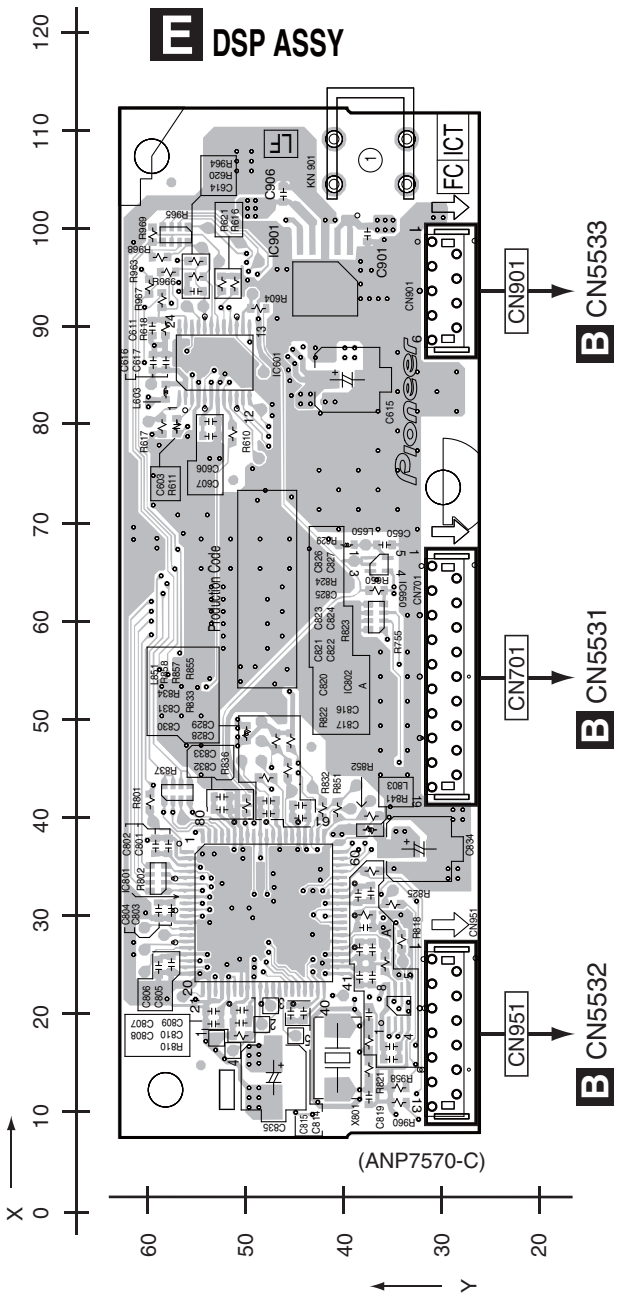
F POWER SUPPLY UNIT

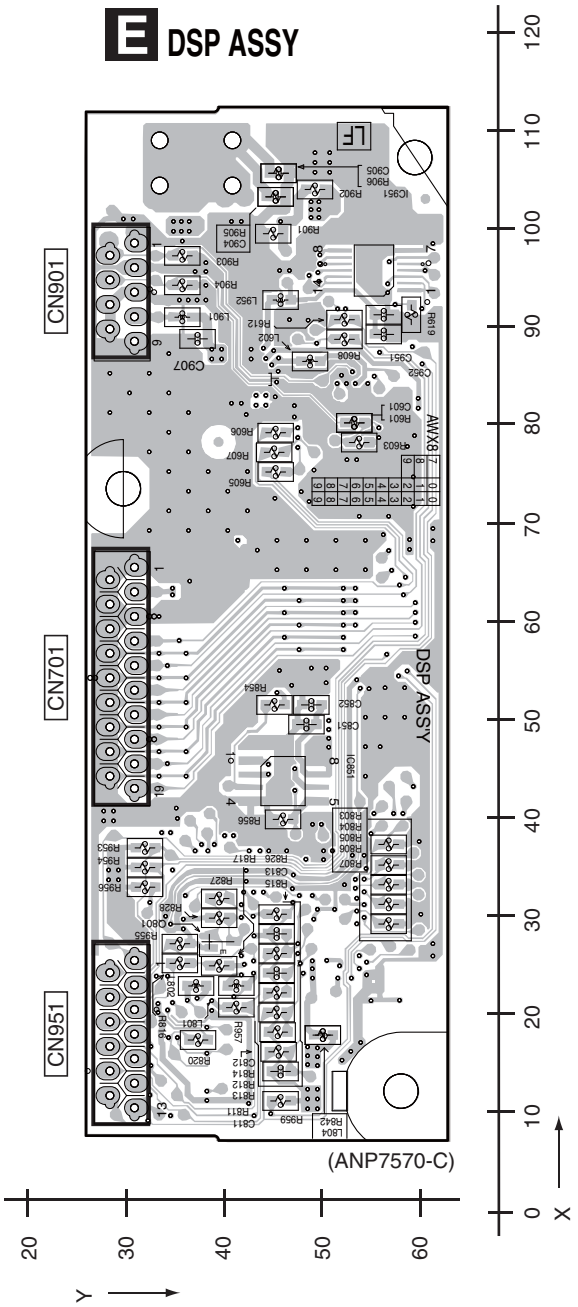


11.6 DSP ASSY (XV-DV575, XV-DV580 ONLY)

SIDE A

SIDE B





12. PCB PARTS LIST

NOTES: ● *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
● *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
● *When ordering resistors, first convert resistance values into code form as shown in the following examples.*
Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47 k ohm (tolerance is shown by J = 5%, and K = 10%).

560 Ω	→	*56 × 10^1*	→	*561* ····· *RD1/4PU 5 6 1 J*
47 kΩ	→	*47 × 10^3*	→	*473* ····· *RD1/4PU 4 7 3 J*
0.5 Ω	→	*R50*		····· *RN2H R 5 0 K*
1 Ω	→	*1R0*		····· *RS1P 1 R 0 K*

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62 kΩ	→	*562 × 10^1*	→	*5621* ····· *RN1/4PC 5 6 2 1 F*

● *Meaning of the figures and others in the parentheses in the parts list.*
Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.
IC 301 (A, 91, 111) IC NJM2068V

Mark	No.	Description	Part No.
		LIST OF ASSEMBLIES	
	1	08 DVDM ASSY (XV-DV575, XV-DV580)	AWM8118
	1	08 DVDM ASSY (XV-DV385K, XV-DV395K)	AWM8105
	1	DSP ASSY (XV-DV575, XV-DV580 ONLY)	AWX8706
	1	SYSMAIN ASSY (XV-DV575)	XWM3392
	1	SYSMAIN ASSY (XV-DV580)	XWM3395
	1	SYSMAIN ASSY (XV-DV385K)	XWM3391
	1	SYSMAIN ASSY (XV-DV395K)	XWM3394
	1	COMPLEX ASSY (XV-DV575, XV-DV580)	XWM3429
	1	COMPLEX ASSY (XV-DV385K, XV-DV395K)	XWM3428
NSP	1	NHTS JACK ASSY	AWM8034
	2	EUROSCART ASSY	AWU8291
⚠	1	POWER SUPPLY UNIT	XWR3018
	1	FM/AM TUNER UNIT	AXX7248

CONTRAST OF PCB ASSEMBLIES

A 08 DVDM ASSY

AWM8118 and AWM8105 are constructed the same except for the following:

Mark	Symbol and Description	AWM8118	AWM8105
	IC241	Not used	TC7SH08FUS1
	L241 CHIP SOLID INDUCTOR	Not used	QTL1013
	CN962 13P FFC CONNECTOR	Not used	VKN1472
	C248	Not used	CKSSYB104K16
	C249	Not used	CCSSCH471J16
	R240-R242, R244-R246	Not used	RS1/16SS330J
	R243	Not used	RS1/16SS100J

B SYSMAIN ASSY (XV-DV575/XV-DV580)

XWM3392 and XWM3395 are constructed the same except for the following:

Mark	Symbol and Description	XWM3392	XWM3395
	R5514	Not used	RS1/16S473J
	R5516	RS1/16S473J	Not used

B SYSMAIN ASSY (XV-DV385K/XV-DV395K)

XWM3391 and XWM3394 are constructed the same except for the following:

Mark	Symbol and Description	XWM3391	XWM3394
	R5516	RS1/16S473J	Not used

C COMPLEX ASSY

XWM3429 and XWM3428 are constructed the same except for the following:

Mark	Symbol and Description	XWM3429	XWM3428
	IC3921	Not used	NJM4565MD
	L3921 INDUCTOR	Not used	CTF1306
	VR3921 VARIABLE (10K-X1)	Not used	XCS3007
	CN5902 27P FFC CONNECTOR	9607S-27F	Not used
	CN5901 29P FFC CONNECTOR	Not used	9607S-29F
	JA3921, JA3922 MIC JACK	Not used	XKN3012
	R3921, R3922, R3928, R3929	Not used	RS1/16S332J
	R3925, R3927	Not used	RS1/16S473J
	R3926	Not used	RS1/16S103J
	R3930	Not used	RS1/16S152J
	R3931	Not used	RS1/16S123J
	C3921, C3922, C3933	Not used	CCSRCH101J50
	C3925, C3935	Not used	CEJQ2R2M50
	C3928	Not used	CCSRCH681J50
	C3929, C3930	Not used	CEAT2R2M50
	C3931	Not used	CEAT470M16
	C3932, C3938	Not used	CKSRYB104K16
	C3936	Not used	CKSRYB122K50
	C3939	Not used	CKSRYB223K16

PCB PARTS LIST FOR XV-DV575/WYXJ5 UNLESS OTHER WISE NOTED

A 08 DVDM ASSY

SEMICONDUCTORS

Mark	No.	Description	Part No.
	IC	101	BA5984FP
	IC	201	MT1389FE/S-L
	IC	202	K4S641632K-UC75
	IC	203	AYW7242
	IC	204	S-24CS64A0I
	IC	401	MM1758XF
	IC	601	TC7SH08FUS1
	IC	711	MM1661JH
	IC	771	NJM2872BF05
	Q	304,801	2SC4081
	Q	305	UM5K1N
	Q	307,308	HN1A01F
	Q	481,933	DTC114YUA
	Q	621	2SK2034
	Q	802	HN1A01FU
	Q	934	UMB1N
	D	101,102	RR264M-400
	D	761,762	UDZS3R9(B)
	D	801	UDZS4R7(B)
	D	802	DAN202U
	D	811	1SS352
	D	933	UDZS5R1(B)

MISCELLANEOUS

Mark	No.	Description	Part No.
	L	751 INDUCTOR	CTF1395
	L	761 COIL	VTH1047
	L	901 INDUCTOR	CTF1334
	L	932-935 COIL	ATH7022
	JA	931 HDMI CONNECTOR	AKP7224
	X	201 CRYSTAL RESONATOR (27MHZ)	VSS1172
	CN	964 06P CONNECTOR	VKN1574
	CN	965 05P CONNECTOR	VKN1573
	CN	966 CONNECTOR	VKN2045
	CN	967 17P CONNECTOR	VKN1577
	CN	968 27P CONNECTOR	VKN1583

RESISTORS

Mark	No.	Description	Part No.
	R	103,113,114,201	RS1/16SS1202F
	R	104	RS1/16SS1002F
	R	123,133	RS1/16SS3302F
	R	124,134	RS1/16SS2702F
	R	153,156,157	RS1/8SQ3R3J
	R	202	RS1/16SS8201F
	R	205,206	RS1/16SS1502F
	R	208,209,281,634	RS1/10S0R0J
	R	221,225	RAB4CQ330J
	R	279	RS1/16SS2201F
	R	411-416	RS1/16SS1500F
	R	617	RS1/16SS2701F
	R	636	RS1/16S0R0J
	R	715,752,902	RS1/10S0R0J
	R	978-980	RS1/10S0R0J
	Other Resistors		RS1/16SS###J

CAPACITORS

Mark	No.	Description	Part No.
	C	103,373,401,404	CEVW101M16
	C	151,200,204,205	CKSSYB104K16
	C	152,153,210	CKSSYB222K50
	C	201,202,223,237	CEVW221M4
	C	203,206,215,309	CEVW470M16
	C	207,208,213,216	CKSSYB104K16
	C	209	CKSSYB153K16
	C	211,212	CCSSCH271J50
	C	217,220,224,225	CKSSYB104K16
	C	226,240,283-288	CKSSYB103K16

Mark	No.	Description	Part No.
C	227		CCSSCH221J50
C	228-234,239,243		CKSSYB104K16
C	241,602,607,952		CEVW100M16
C	242		CKSSYB152K50
C	244,246,247,250		CKSSYB104K16
C	245,282,289		CKSRYB105K10
C	251,252		CCSSCH100D50
C	254,267,295,608		CKSSYB102K50
C	258,259		CKSSYB473K16
C	260,261,264,266		CKSSYB104K16
C	262,605		CEVW4R7M16
C	265		CCSSCH220J50
C	268,271-273,290		CKSSYB104K16
C	269		CKSSYB333K10
C	281,618		CEVW221M4
C	310,616,627		CEVW470M16
C	343-347,412-414		CKSRYB105K10
C	371,372,402,405		CKSSYB104K16
C	406,601,603,606		CKSSYB104K16
C	411,415,416		CKSRYB104K16
C	611		CKSSYB562K25
C	612,613,617		CKSSYB104K16
C	614		CCSSCH101J50
C	619-621,623,625		CKSSYB104K16
C	622,624,626		CKSSYB102K50
C	628,773,801,951		CKSSYB104K16
C	711,771		CKSRYB105K10
C	712		CCSSCH471J16
C	713,772		CKSQYB225K10

B SYSMAIN ASSY (XV-DV575)

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠ IC	771	(A,121,39) LOAD SWITCHING	AAT4618IGV-0.5-1
⚠ IC	781	(A,134,40) REGULATOR IC	NJM2845DL1-05
IC	3101	(A,237,20) 8CH PWM PROCESSOR IC	TAS5508BPAG
IC	3191	(A,182,94) OP-AMP IC	BA10358F
⚠ IC	3201	(A,267,44) DIGITAL AMP IC	TAS5122DCA
⚠ IC	3301	(A,237,44) DIGITAL AMP IC	TAS5122DCA
⚠ IC	3401	(A,207,44) DIGITAL AMP IC	TAS5122DCA
IC	3601	(A,306,95) DUAL OP-AMP	NJM4565MD
IC	3901	(A,206,16) DUAL OP-AMP	NJM4565MD
IC	4001	(A,96,75) IC	TC4052BFN
⚠ IC	4002	(A,113,70) REGULATOR IC	NJM2872BF25
IC	4003	(A,114,85) AD CONVERTER IC	AK5358AET
IC	4901	(A,101,101) DUAL OP-AMP	NJM4565MD
IC	5501	(A,68,40) SYSTEM CONTROL MICON	PDC175A
IC	5502	(A,30,46) EEPROM	S-93C46BD0I-J8T1
IC	5701	(A,50,67) RDS DECORDER IC	LC72725KM
Q	491	(A,76,79) TRANSISTOR	RT1N241M
Q	1301	(A,128,16) TRANSISTOR(SC-70)	2SA1602A
Q	1302	(A,24,35) TRANSISTOR	2SA1577
Q	1303	(A,133,18) TRANSISTOR	2SC4154
Q	1304	(A,19,31) TRANSISTOR	2SC4154
Q	1402	(A,132,25) TRANSISTOR(SC-70)	2SA1602A
Q	1413	(A,130,29) TRANSISTOR	RT1N241M
Q	3131	(A,181,35) TRANSISTOR	2SA1036K
Q	3132	(A,189,34) DIGITAL TR(SC-70)	RT1N431M
Q	3601	(A,296,95) TRANSISTOR	IMX9
Q	3602	(A,300,79) DIGITAL TR(SC-70)	RT1P241M
Q	3603	(A,289,93) TRANSISTOR	IMX9
Q	3604	(A,269,27) DIGITAL TR(SC-70)	RT1P241M
Q	4005	(A,99,83) CHIP TRANSISTOR	HN1A01FU
Q	4006	(A,151,31) TRANSISTOR	RT1N241M
Q	4951	(A,65,15) TRANSISTOR	RT1N241M
Q	5525	(A,103,40) DIGITAL TR(SC-70)	RT1N431M
Q	5531	(A,136,54) TRANSISTOR	RT3N22M
Q	5532	(A,131,58) TRANSISTOR	RT1N241M
Q	5533	(A,130,54) DIGITAL TR(SC-70)	RT1P241M
Q	5703	(A,41,68) CHIP TRANSISTOR	HN1C01FU
Q	5931	(A,86,99) TRANSISTOR	RT1N241M
Q	5932	(A,78,98) TRANSISTOR	RT3N22M
Q	5934	(A,82,103) TRANSISTOR(SC-70)	2SA1602A
Q	5935	(A,74,94) TRANSISTOR(SC-70)	2SA1602A
Q	5936	(A,78,103) DIGITAL TR(SC-70)	RT1P241M
D	1403	(A,127,13) DIODE	MC2846-11
D	1415	(A,134,30) DIODE	UDZS4R7(B)
D	3101	(A,264,26) DIODE	MC2846-11
D	3131	(A,184,39) DIODE	UDZS18(B)
D	3133	(A,181,42) DIODE	1SS352
D	3134	(A,183,42) DIODE	UDZS15(B)
D	3191	(A,198,26) DIODE	UDZS4R7(B)
D	3603	(A,313,81) DIODE	UDZS12(B)
D	4901	(A,82,109) DIODE	UDZS5R1(B)
D	4902	(A,92,98) DIODE	UDZS3R9(B)
D	4903	(A,89,99) DIODE	UDZS3R9(B)
D	5931	(A,78,107) DIODE	1SS352
D	5933	(A,66,98) DIODE	1SS352
D	5936	(A,74,99) DIODE	1SS352
L	772	(A,124,45) CHIP SOLID INDUCTOR	ATL7002
L	1501	(A,93,33) AXIAL INDUCTOR	LAU220J
L	3201	(A,284,68) INDUCTORS	ATH7019
L	3202	(A,267,68) INDUCTORS	ATH7019
L	3301	(A,251,68) INDUCTORS	ATH7019
L	3302	(A,234,68) INDUCTORS	ATH7019
L	3401	(A,218,68) INDUCTORS	ATH7019
L	3402	(A,201,68) INDUCTORS	ATH7019
L	4603	(A,132,101) INDUCTOR	CTF1379
L	4901	(A,115,97) INDUCTOR	CTF1379
L	4951	(A,156,17) INDUCTOR	CTF1346
L	4952	(A,151,17) INDUCTOR	CTF1346
L	5931	(A,74,107) CHIP SOLID INDUCTOR	QTL1013
L	5932	(A,74,102) CHIP SOLID INDUCTOR	QTL1013
L	5933	(A,62,103) CHIP SOLID INDUCTOR	QTL1013
L	5934	(A,62,98) CHIP SOLID INDUCTOR	QTL1013
JA	403	(A,52,114) JACK	XKB3069
JA	4602	(A,125,114) OPT. LINK IN	GP1FAV51RKBF
JA	4901	(A,110,111) JACK	RKN1004
JA	5931	(A,67,112) MINI JACK(4P) /W SW	XKN3015
X	3101	(A,254,16) CRYSTAL RESONATOR (13.5 MHz)	ASS7062
X	5501	(A,86,41) CERAMIC RESONATOR (10 MHz)	ASS7034
X	5701	(A,61,73) CRYSTAL RESONATOR (4.332 MHz)	ASS7004
CN	451	(A,54,83) CONNECTOR	9604S-23C
CN	1001	(A,107,8) CONNECTOR ASS'Y	PG13KA-F07
CN	3111	(A,279,114) PIN JACK(4P)	AKB7114

Mark	No.	Description	Part No.
	CN 3201	(A,176,61) 2P CONNECTOR	B2P-VH
	CN 3211	(A,225,114) 6CH SPEAKER JACK(V0)	AKE7121
	CN 5501	(A,100,30) CONNECTOR	9604S-07C
	CN 5531	(A,144,66) 19P PLUG	XKM3005
	CN 5532	(A,144,26) 13P PLUG	XKM3004
	CN 5533	(A,144,99) 9P PLUG	XKM3008
	CN 5603	(A,36,12) 27P CONNECTOR	VKN1258
	CN 5701	(A,36,61) CONNECTOR	9604S-11C
	CN 9000	(A,23,78) 17P CONNECTOR	VKN1248
	CN 9002	CONNECTOR	9604S-27C
	102	(A,44,8) PCB BINDER	VEF1040
	101	(A,312,49) PCB BINDER	VEF1040

RESISTORS

Mark	No.	Description	Part No.
	R 421	(A,51,99)	RS1/10S75R0F
	R 491	(A,75,75)	RS1/16S103J
	R 771	(A,124,47)	RS1/16S221J
	R 772	(A,128,46)	RS1/16S104J
	R 1301	(A,132,15)	RS1/16S473J
	R 1302	(A,129,18)	RS1/16S392J
	R 1303	(A,23,33)	RS1/16S473J
	R 1304	(A,23,31)	RS1/10S561J
	R 1306	(A,18,35)	RS1/16S103J
	R 1307	(A,129,20)	RS1/16S472J
	R 1401	(A,129,21)	RS1/16S392J
	R 1402	(A,134,21)	RS1/16S332J
	R 1403	(A,132,23)	RS1/16S473J
	R 1404	(A,135,26)	RS1/16S393J
	R 1415	(A,129,24)	RS1/16S182J
	R 3101	(A,226,12)	RS1/16S221J
	R 3102	(A,229,12)	RS1/16S221J
	R 3103	(A,263,10)	RS1/16S4R7J
	R 3104	(A,243,11)	RAB4C221J
	R 3106	(A,248,17)	RS1/16S105J
	R 3107	(A,249,20)	RAB4C470J
	R 3108	(A,249,24)	RAB4C470J
	R 3111	(A,227,26)	RS1/16S220J
	R 3112	(A,225,16)	RS1/16S470J
	R 3113	(A,225,13)	RS1/16S3R3J
	R 3114	(A,267,26)	RS1/16S103J
	R 3131	(A,181,39)	RS1/16S473J
	R 3132	(A,185,37)	RS1/10S123J
	R 3133	(A,188,37)	RS1/16S102J
	R 3134	(A,188,39)	RS1/16S222J
	R 3135	(A,185,42)	RS1/16S102J
	R 3141	(A,285,98)	RS1/16S331J
	R 3142	(A,291,99)	RS1/16S331J
	R 3151	(A,190,12)	RAB4C103J
	R 3152	(A,178,29)	RAB4C222J
	R 3191	(A,186,98) RESISTOR (0.1OHM,2W)	ACN7112
	R 3192	(A,186,95)	RS1/16S103J
	R 3193	(A,185,87)	RS1/16S103J
	R 3194	(A,188,92)	RS1/16S104J
	R 3195	(A,183,87)	RS1/16S104J
	R 3196	(A,188,88)	RS1/16S222J
	R 3197	(A,189,84)	RS1/16S103J
⚠	R 3199	(A,186,88)	RS1/16S8R2J
	R 3204	(A,270,31)	RS1/16S221J
	R 3205	(A,265,32)	RS1/16S103J
	R 3206	(A,261,34)	RS1/16S101J
	R 3207	(A,261,33)	RS1/16S473J
	R 3208	(A,261,36)	RS1/16S472J
⚠	R 3211	(A,275,58) RESISTOR (2.7 OHM)	ACN7148
⚠	R 3212	(A,261,58) RESISTOR (2.7 OHM)	ACN7148
⚠	R 3213	(A,273,58) RESISTOR (2.7 OHM)	ACN7148
⚠	R 3214	(A,259,58) RESISTOR (2.7 OHM)	ACN7148
	R 3215	(A,278,62) CHIP RESISTOR	RS1/8S1R5J
	R 3216	(A,264,62) CHIP RESISTOR	RS1/8S1R5J
	R 3217	(A,269,62) CHIP RESISTOR	RS1/8S1R5J
	R 3218	(A,255,62) CHIP RESISTOR	RS1/8S1R5J
	R 3223	(A,278,37)	RS1/10S821J
	R 3224	(A,255,37)	RS1/10S821J
	R 3225	(A,280,37)	RS1/10S821J
	R 3226	(A,253,37)	RS1/10S821J
⚠	R 3227	(A,286,84)	RS1/10S3R3J
⚠	R 3228	(A,270,84)	RS1/10S3R3J
	R 3231	(A,250,98)	RS1/10S472J
	R 3232	(A,250,101)	RS1/10S472J
	R 3233	(A,251,94)	RS1/10S472J
	R 3234	(A,250,109)	RS1/10S472J
⚠	R 3235	(A,252,97)	RS1/16S1R0J
⚠	R 3236	(A,256,97)	RS1/16S1R0J
⚠	R 3237	(A,252,94)	RS1/16S1R0J
⚠	R 3238	(A,250,106)	RS1/16S1R0J
⚠	R 3241	(A,276,56)	RS1/10S180J
⚠	R 3242	(A,262,56)	RS1/10S180J
⚠	R 3243	(A,272,56)	RS1/10S180J
⚠	R 3244	(A,258,56)	RS1/10S180J
	R 3304	(A,241,31)	RS1/16S221J
	R 3305	(A,235,32)	RS1/16S103J
	R 3306	(A,231,34)	RS1/16S101J
	R 3307	(A,231,33)	RS1/16S473J
	R 3308	(A,231,36)	RS1/16S472J
⚠	R 3311	(A,245,58) RESISTOR (2.7 OHM)	ACN7148
⚠	R 3312	(A,231,58) RESISTOR (2.7 OHM)	ACN7148
⚠	R 3313	(A,243,58) RESISTOR (2.7 OHM)	ACN7148
⚠	R 3314	(A,229,58) RESISTOR (2.7 OHM)	ACN7148
	R 3315	(A,248,62) CHIP RESISTOR	RS1/8S1R5J
	R 3316	(A,234,62) CHIP RESISTOR	RS1/8S1R5J
	R 3317	(A,239,62) CHIP RESISTOR	RS1/8S1R5J
	R 3318	(A,225,62) CHIP RESISTOR	RS1/8S1R5J
	R 3323	(A,248,37)	RS1/10S821J
	R 3324	(A,225,37)	RS1/10S821J
	R 3325	(A,250,37)	RS1/10S821J
	R 3326	(A,223,37)	RS1/10S821J
⚠	R 3327	(A,253,84)	RS1/10S3R3J
⚠	R 3328	(A,237,84)	RS1/10S3R3J
	R 3331	(A,223,92)	RS1/10S472J
	R 3332	(A,237,92)	RS1/10S472J
	R 3333	(A,227,92)	RS1/10S472J
	R 3334	(A,213,92)	RS1/10S472J
⚠	R 3335	(A,220,92)	RS1/16S1R0J
⚠	R 3336	(A,240,92)	RS1/16S1R0J
⚠	R 3337	(A,230,92)	RS1/16S1R0J
⚠	R 3338	(A,210,92)	RS1/16S1R0J
⚠	R 3341	(A,246,56)	RS1/10S180J
⚠	R 3342	(A,232,56)	RS1/10S180J
⚠	R 3343	(A,242,56)	RS1/10S180J
⚠	R 3344	(A,228,56)	RS1/10S180J

Mark	No.	Description	Part No.
	R 3404	(A,211,31)	RS1/16S221J
	R 3405	(A,205,32)	RS1/16S103J
	R 3406	(A,201,34)	RS1/16S101J
	R 3407	(A,201,33)	RS1/16S473J
	R 3408	(A,201,36)	RS1/16S472J
⚠	R 3411	(A,215,58) RESISTOR (2.7 OHM)	ACN7148
⚠	R 3412	(A,201,58) RESISTOR (2.7 OHM)	ACN7148
⚠	R 3413	(A,213,58) RESISTOR (2.7 OHM)	ACN7148
⚠	R 3414	(A,199,58) RESISTOR (2.7 OHM)	ACN7148
	R 3415	(A,218,62) CHIP RESISTOR	RS1/8S1R5J
	R 3416	(A,204,62) CHIP RESISTOR	RS1/8S1R5J
	R 3417	(A,209,62) CHIP RESISTOR	RS1/8S1R5J
	R 3418	(A,195,62) CHIP RESISTOR	RS1/8S1R5J
	R 3423	(A,218,37)	RS1/10S821J
	R 3424	(A,195,37)	RS1/10S821J
	R 3425	(A,220,37)	RS1/10S821J
	R 3426	(A,193,37)	RS1/10S821J
⚠	R 3427	(A,220,84)	RS1/10S3R3J
⚠	R 3428	(A,204,84)	RS1/10S3R3J
	R 3431	(A,199,98)	RS1/10S472J
	R 3432	(A,199,105)	RS1/10S472J
	R 3433	(A,199,102)	RS1/10S472J
	R 3434	(A,199,108)	RS1/10S472J
⚠	R 3435	(A,197,99)	RS1/16S1R0J
⚠	R 3436	(A,197,105)	RS1/16S1R0J
⚠	R 3437	(A,197,102)	RS1/16S1R0J
⚠	R 3438	(A,197,108)	RS1/16S1R0J
⚠	R 3441	(A,216,56)	RS1/10S180J
⚠	R 3442	(A,202,56)	RS1/10S180J
⚠	R 3443	(A,212,56)	RS1/10S180J
⚠	R 3444	(A,198,56)	RS1/10S180J
	R 3601	(A,312,85)	RAB4C472J
	R 3605	(A,304,85)	RS1/16S472J
	R 3606	(A,304,105)	RS1/16S472J
	R 3607	(A,308,88)	RS1/16S472J
	R 3608	(A,308,102)	RS1/16S472J
	R 3609	(A,303,89)	RS1/16S103J
	R 3610	(A,303,101)	RS1/16S103J
	R 3611	(A,307,88)	RS1/16S103J
	R 3612	(A,307,102)	RS1/16S103J
	R 3613	(A,300,90)	RS1/16S473J
	R 3614	(A,300,100)	RS1/16S473J
	R 3615	(A,299,90)	RS1/16S102J
	R 3616	(A,299,100)	RS1/16S102J
	R 3617	(A,299,93)	RS1/16S472J
	R 3618	(A,299,97)	RS1/16S472J
	R 3619	(A,286,92)	RS1/16S221J
	R 3620	(A,286,95)	RS1/16S221J
⚠	R 3621	(A,315,90)	RS1/16S8R2J
	R 3623	(A,313,90)	RS1/16S222J
	R 3629	(A,297,90)	RS1/16S821J
	R 3630	(A,297,100)	RS1/16S821J
	R 3631	(A,292,92)	RS1/16S472J
	R 3632	(A,292,95)	RS1/16S472J
	R 3901	(A,216,17)	RAB4C472J
	R 3905	(A,213,12)	RS1/16S562J
	R 3906	(A,213,23)	RS1/16S562J
	R 3907	(A,213,13)	RS1/16S562J
	R 3908	(A,213,21)	RS1/16S562J
	R 3909	(A,209,11)	RS1/16S183J
	R 3910	(A,209,22)	RS1/16S183J
	R 3911	(A,209,14)	RS1/16S183J
	R 3912	(A,209,17)	RS1/16S183J
	R 3913	(A,220,15)	RS1/16S472J
	R 3914	(A,219,20)	RS1/16S472J
	R 3915	(A,219,15)	RS1/16S472J
	R 3916	(A,220,19)	RS1/16S472J
⚠	R 3921	(A,202,16)	RS1/16S8R2J
	R 3923	(A,200,16)	RS1/16S103J
	R 3924	(A,200,13)	RS1/16S103J
	R 4006	(A,156,30)	RS1/16S103J
	R 4009	(A,95,85)	RS1/16S102J
	R 4010	(A,103,80)	RS1/16S102J
	R 4011	(A,91,68)	RS1/16S223J
	R 4012	(A,102,71)	RS1/16S223J
	R 4013	(A,91,69)	RS1/16S223J
	R 4014	(A,102,68)	RS1/16S223J
	R 4015	(A,88,78)	RS1/16S223J
	R 4016	(A,103,76)	RS1/16S223J
	R 4017	(A,90,78)	RS1/16S223J
	R 4018	(A,104,74)	RS1/16S223J
	R 4019	(A,101,62)	RS1/16S103J
	R 4020	(A,100,68)	RS1/16S103J
	R 4021	(A,95,83)	RS1/16S224J
	R 4022	(A,103,84)	RS1/16S224J
	R 4023	(A,91,85)	RS1/16S102J
	R 4024	(A,104,80)	RS1/16S102J
	R 4027	(A,91,74)	RS1/16S473J
	R 4028	(A,115,73)	RS1/16S224J
	R 4039	(A,92,93)	RS1/16S153J
	R 4040	(A,103,82)	RS1/16S153J
	R 4048	(A,117,92)	RS1/16S182J
	R 4049	(A,125,92)	RAB4C101J
	R 4058	(A,111,92)	RS1/16S0R0J
	R 4059	(A,110,89)	RS1/16S0R0J
	R 4073	(A,114,92)	RS1/16S332J
	R 4081	(A,171,22)	RS1/16S105J
	R 4082	(A,173,23)	RS1/16S105J
	R 4083	(A,126,89)	RS1/16S0R0J
	R 4084	(A,138,85)	RS1/16S0R0J
	R 4085	(A,137,79)	RS1/16S0R0J
	R 4090	(A,123,71)	RS1/16S0R0J
	R 4609	(A,125,100)	RS1/16S221J
	R 4902	(A,107,95)	RS1/16S104J
	R 4903	(A,96,104)	RS1/16S392J
	R 4905	(A,95,96)	RS1/16S101J
	R 4906	(A,95,99)	RS1/16S333J
	R 4907	(A,104,95)	RS1/16S333J
	R 4908	(A,94,101)	RS1/16S472J
	R 4910	(A,111,96)	RS1/16S682J
	R 4911	(A,107,92)	RS1/16S101J
	R 4913	(A,115,96)	RS1/16S104J
	R 4914	(A,107,96)	RS1/16S472J
	R 4915	(A,103,77)	RS1/16S473J
	R 4951	(A,159,17)	RS1/16S473J
	R 4952	(A,153,16)	RS1/16S473J
	R 4955	(A,62,16)	RS1/16S182J
	R 5501	(A,85,25)	RAB4C221J
	R 5505	(A,86,28)	RS1/16S221J

Mark	No.	Description	Part No.
R	5506	(A,86,29)	RS1/16S221J
R	5507	(A,86,31)	RS1/16S221J
R	5508	(A,86,32)	RS1/16S222J
R	5509	(A,90,29)	RS1/16S0R0J
R	5510	(A,98,41)	RS1/16S473J
R	5515	(A,90,25)	RS1/16S473J
R	5516	(A,90,24)	RS1/16S473J
R	5517	(A,105,49)	RAB4C221J
R	5518	(A,98,50)	RS1/16S105J
R	5519	(A,106,29)	RS1/16S103J
R	5520	(A,103,29)	RS1/16S103J
R	5521	(A,108,41)	RS1/16S221J
R	5522	(A,109,49)	RAB4C221J
R	5527	(A,83,55)	RAB4C221J
R	5528	(A,136,57)	RS1/16S472J
R	5531	(A,64,19)	RS1/16S223J
R	5537	(A,71,60)	RS1/16S221J
R	5538	(A,69,59)	RS1/16S221J
R	5541	(A,68,67)	RAB4C221J
R	5542	(A,64,58)	RAB4C221J
R	5546	(A,72,74)	RS1/16S103J
R	5547	(A,70,73)	RS1/16S103J
R	5548	(A,49,55)	RAB4C221J
R	5557	(A,49,48)	RAB4C221J
R	5558	(A,34,47)	RS1/16S473J
R	5559	(A,26,46)	RS1/16S473J
R	5562	(A,49,45)	RS1/16S221J
R	5564	(A,49,44)	RS1/16S221J
R	5565	(A,49,42)	RS1/16S221J
R	5566	(A,49,40)	RAB4C221J
R	5569	(A,91,52)	RS1/16S221J
R	5570	(A,49,36)	RAB4C221J
R	5574	(A,67,19)	RS1/16S104J
R	5577	(A,50,29)	RAB4C221J
R	5581	(A,53,25)	RS1/16S221J
R	5582	(A,60,23)	RS1/16S221J
R	5583	(A,61,23)	RS1/16S103J
R	5584	(A,63,23)	RS1/16S221J
R	5590	(A,71,19)	RAB4C221J
R	5597	(A,70,16)	RS1/16S153J
R	5598	(A,79,21)	RAB4C221J
R	5712	(A,27,66)	RS1/16S123J
R	5713	(A,27,71)	RS1/16S123J
R	5931	(A,78,105)	RS1/16S182J
R	5933	(A,70,98)	RS1/16S104J
R	5934	(A,69,95)	RS1/16S102J
R	5935	(A,71,95)	RS1/16S103J
R	5936	(A,82,105)	RS1/16S182J
R	5937	(A,87,102)	RS1/16S473J
R	5938	(A,82,100)	RS1/16S272J
R	5939	(A,82,99)	RS1/16S332J
R	5940	(A,74,101)	RS1/16S101J
R	5942	(A,74,97)	RS1/16S104J
R	9000	(A,42,30)	RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
C	427	(A,56,92) ELECT. CAPACITOR	CEAT102M6R3
C	771	(A,121,34)	CKSQYB105K16
C	773	(A,121,37)	CKSRYB104K16
C	781	(A,127,42)	CEAT100M50
C	782	(A,136,49)	CKSQYB225K10
C	1205	(A,24,14)	CKSRYB104K16
C	1207	(A,77,13)	CKSRYB102K50
C	1208	(A,83,17)	CCSRCH471J50
C	1209	(A,113,21)	CKSRYB104K16
C	1210	(A,116,16)	CKSRYB104K16
C	1211	(A,113,14)	CKSRYB104K16
C	1301	(A,18,33)	CKSRYB105K6R3
C	1501	(A,90,44)	CKSRYB103K50
C	1502	(A,97,44)	CKSRYB104K16
C	1505	(A,87,46)	CEAT101M10
C	3101	(A,229,14)	CKSRYB224K16
C	3102	(A,228,12)	CKSRYB103K50
C	3103	(A,228,8)	CKSRYB104K16
C	3104	(A,232,8)	CKSRYB104K16
C	3105	(A,231,12)	CKSRYB103K50
C	3106	(A,234,10)	CKSRYB104K16
C	3107	(A,236,10)	CKSRYB104K16
C	3108	(A,249,9)	CEVW100M10
C	3109	(A,237,10)	CKSRYB102K50
C	3110	(A,244,14)	CKSRYB104K16
C	3111	(A,257,9)	CEVW100M10
C	3112	(A,245,15)	CKSRYB104K16
C	3113	(A,247,15)	CCSRCH180J50
C	3114	(A,248,15)	CCSRCH150J50
C	3115	(A,245,26)	CKSRYB474K10
C	3116	(A,246,26)	CKSRYB104K16
C	3117	(A,255,25)	CEVW100M10
C	3118	(A,231,28)	CKSRYB104K16
C	3119	(A,227,23)	CKSRYB104K16
C	3120	(A,224,25)	CEVW100M10
C	3141	(A,285,99)	CCSRCH221J50
C	3142	(A,288,99)	CCSRCH221J50
C	3151	(A,175,46)	CKSRYB104K16
C	3192	(A,186,92)	CKSRYB104K25
C	3201	(A,276,38)	CKSQYB105K16
C	3202	(A,258,38)	CKSQYB105K16
C	3203	(A,267,33)	CKSRYB104K16
C	3204	(A,261,37)	CKSRYB104K16
C	3211	(A,279,57)	CKSQYB104K50
C	3212	(A,265,57)	CKSQYB104K50
C	3213	(A,269,57)	CKSQYB104K50
C	3214	(A,255,57)	CKSQYB104K50
C	3215	(A,275,63)	CKSRYB333K50
C	3216	(A,261,63)	CKSRYB333K50
C	3217	(A,273,63)	CKSRYB333K50
C	3218	(A,259,63)	CKSRYB333K50
C	3221	(A,278,89) ELECT. CAPACITOR	CEAT102M25
C	3223	(A,284,84)	CKSRYB103K50
C	3224	(A,267,84)	CKSRYB103K50
C	3225	(A,273,84)	CKSRYB102K50
C	3226	(A,256,84)	CKSRYB102K50
C	3227	(A,276,47)	CKSRYB104K25
C	3228	(A,257,47)	CKSRYB104K25
C	3231	(A,276,83)	CFTLA474J50
C	3232	(A,259,83)	CFTLA474J50
C	3233	(A,238,100)	CKSRYB104K25
C	3234	(A,240,106)	CKSRYB104K25
C	3235	(A,240,100)	CKSRYB104K25

Mark	No.	Description	Part No.
C	3236	(A,243,106)	CKSRYB104K25
C	3237	(A,255,97)	CKSRYB103K50
C	3238	(A,258,97)	CKSRYB103K50
C	3239	(A,255,94)	CKSRYB103K50
C	3240	(A,250,104)	CKSRYB103K50
C	3241	(A,277,54)	CKSRYB331K50
C	3242	(A,263,54)	CKSRYB331K50
C	3243	(A,271,54)	CKSRYB331K50
C	3244	(A,257,54)	CKSRYB331K50
C	3301	(A,246,38)	CKSQYB105K16
C	3302	(A,228,38)	CKSQYB105K16
C	3303	(A,237,33)	CKSRYB104K16
C	3304	(A,231,37)	CKSRYB104K16
C	3311	(A,249,57)	CKSQYB104K50
C	3312	(A,235,57)	CKSQYB104K50
C	3313	(A,239,57)	CKSQYB104K50
C	3314	(A,225,57)	CKSQYB104K50
C	3315	(A,245,63)	CKSRYB333K50
C	3316	(A,231,63)	CKSRYB333K50
C	3317	(A,243,63)	CKSRYB333K50
C	3318	(A,229,63)	CKSRYB333K50
C	3321	(A,262,89) ELECT. CAPACITOR	CEAT102M25
C	3323	(A,251,84)	CKSRYB103K50
C	3324	(A,234,84)	CKSRYB103K50
C	3325	(A,240,84)	CKSRYB102K50
C	3326	(A,223,84)	CKSRYB102K50
C	3327	(A,246,47)	CKSRYB104K25
C	3328	(A,227,47)	CKSRYB104K25
C	3331	(A,243,83)	CFTLA474J50
C	3332	(A,226,83)	CFTLA474J50
C	3333	(A,222,100)	CKSRYB104K25
C	3334	(A,229,105)	CKSRYB104K25
C	3335	(A,225,100)	CKSRYB104K25
C	3336	(A,226,105)	CKSRYB104K25
C	3337	(A,217,92)	CKSRYB103K50
C	3338	(A,243,92)	CKSRYB103K50
C	3339	(A,233,92)	CKSRYB103K50
C	3340	(A,207,92)	CKSRYB103K50
C	3341	(A,247,54)	CKSRYB331K50
C	3342	(A,233,54)	CKSRYB331K50
C	3343	(A,241,54)	CKSRYB331K50
C	3344	(A,227,54)	CKSRYB331K50
C	3401	(A,216,38)	CKSQYB105K16
C	3402	(A,198,38)	CKSQYB105K16
C	3403	(A,207,33)	CKSRYB104K16
C	3404	(A,201,37)	CKSRYB104K16
C	3411	(A,219,57)	CKSQYB104K50
C	3412	(A,205,57)	CKSQYB104K50
C	3413	(A,209,57)	CKSQYB104K50
C	3414	(A,195,57)	CKSQYB104K50
C	3415	(A,215,63)	CKSRYB333K50
C	3416	(A,201,63)	CKSRYB333K50
C	3417	(A,213,63)	CKSRYB333K50
C	3418	(A,199,63)	CKSRYB333K50
C	3421	(A,196,89) ELECT. CAPACITOR	CEAT102M25
C	3423	(A,218,84)	CKSRYB103K50
C	3424	(A,201,84)	CKSRYB103K50
C	3425	(A,207,84)	CKSRYB102K50
C	3426	(A,190,82)	CKSRYB102K50
C	3427	(A,216,47)	CKSRYB104K25
C	3428	(A,197,47)	CKSRYB104K25
C	3431	(A,210,83)	CFTLA474J50
C	3432	(A,193,83)	CFTLA474J50
C	3433	(A,208,100)	CKSRYB104K25
C	3434	(A,214,105)	CKSRYB104K25
C	3435	(A,210,100)	CKSRYB104K25
C	3436	(A,211,105)	CKSRYB104K25
C	3437	(A,195,99)	CKSRYB103K50
C	3438	(A,195,105)	CKSRYB103K50
C	3439	(A,195,102)	CKSRYB103K50
C	3440	(A,195,108)	CKSRYB103K50
C	3441	(A,217,54)	CKSRYB331K50
C	3442	(A,203,54)	CKSRYB331K50
C	3443	(A,211,54)	CKSRYB331K50
C	3444	(A,197,54)	CKSRYB331K50
C	3601	(A,305,85)	CCSRCH821J50
C	3602	(A,305,105)	CCSRCH821J50
C	3603	(A,308,85)	CCSRCH821J50
C	3604	(A,308,105)	CCSRCH821J50
C	3605	(A,303,87)	CCSRCH331J50
C	3606	(A,303,102)	CCSRCH331J50
C	3607	(A,307,85)	CCSRCH331J50
C	3608	(A,307,105)	CCSRCH331J50
C	3609	(A,299,85)	CEVW100M16
C	3610	(A,300,106)	CEVW100M16
C	3611	(A,296,90)	CCSRCH821J50
C	3612	(A,296,100)	CCSRCH821J50
C	3621	(A,312,102)	CEVW100M25
C	3622	(A,313,95)	CEVW100M16
C	3623	(A,310,97)	CKSRYB104K25
C	3624	(A,310,94)	CKSRYB104K16
C	3901	(A,212,15)	CCSRCH681J50
C	3902	(A,212,19)	CCSRCH681J50
C	3903	(A,214,15)	CCSRCH681J50
C	3904	(A,214,19)	CCSRCH681J50
C	3905	(A,211,12)	CCSRCH181J50
C	3906	(A,211,22)	CCSRCH181J50
C	3907	(A,211,15)	CCSRCH561J50
C	3908	(A,211,19)	CCSRCH561J50
C	3921	(A,215,8)	CEVW100M25
C	3922	(A,223,8)	CEVW100M16
C	3923	(A,202,20)	CKSRYB104K25
C	3924	(A,202,13)	CKSRYB104K16
C	4001	(A,97,69)	CKSRYB103K50
C	4011	(A,95,65)	CEAT100M50
C	4012	(A,112,64)	CEAT100M50
C	4015	(A,87,72)	CEAT100M50
C	4016	(A,105,71)	CEAT100M50
C	4019	(A,105,64)	CEAT100M50
C	4020	(A,118,62)	CEAT100M50
C	4021	(A,97,93)	CKSRYB104K16
C	4022	(A,101,93)	CKSRYB104K16
C	4023	(A,96,89) ELECT. CAPACITOR	CEAT470M35
C	4024	(A,125,59) ELECT. CAPACITOR	CEAT470M35
C	4025	(A,90,89)	CEAT100M50
C	4026	(A,102,89)	CEAT100M50
C	4027	(A,116,71)	CKSRYB104K16
C	4028	(A,111,73)	CKSRYB104K16

Mark	No.	Description	Part No.
	C 4029	(A,109,69)	CKSQYB225K10
	C 4041	(A,119,78)	CEAT100M50
	C 4042	(A,114,78)	CKSRYB104K16
	C 4043	(A,108,78)	CEAT2R2M50
	C 4044	(A,112,78)	CKSRYB104K16
	C 4045	(A,121,84)	CEAT100M50
	C 4046	(A,124,87)	CKSRYB104K16
	C 4048	(A,115,92)	CKSRYB103K50
	C 4613	(A,135,101)	CKSRYB104K16
	C 4614	(A,133,105)	CEAT101M16
	C 4615	(A,132,100)	CKSRYB104K16
	C 4901	(A,91,106)	CKSRYB104K16
	C 4902	(A,107,93)	CCSRCH101J50
	C 4903	(A,95,98)	CCSRCH330J50
	C 4904	(A,104,96)	CCSRCH330J50
	C 4905	(A,115,94)	CCSRCH471J50
	C 4906	(A,93,104)	CKSQYB105K16
	C 4907	(A,94,108) ELECT. CAPACITOR	CEAT470M35
	C 4908	(A,100,96)	CKSQYB105K16
	C 4909	(A,86,108)	CEAT100M50
	C 4910	(A,111,94)	CKSQYB105K16
	C 4911	(A,104,108)	CEAT100M50
	C 4951	(A,158,21)	CEAT101M16
	C 4952	(A,149,21)	CEAT101M16
	C 5502	(A,94,46)	CEAT101M10
	C 5504	(A,88,24)	CKSRYB103K50
	C 5508	(A,88,29)	CKSRYB103K50
	C 5509	(A,83,35)	CKSRYB104K16
	C 5517	(A,82,42)	CKSRYB103K50
	C 5518	(A,82,44)	CKSRYB104K16
	C 5519	(A,103,32)	CKSRYB103K50
	C 5521	(A,106,45)	CKSRYB104K16
	C 5522	(A,106,41)	CKSRYB103K50
	C 5524	(A,101,44)	CEAT100M50
	C 5539	(A,69,57)	CKSRYB104K16
	C 5555	(A,54,48)	CKSRYB104K16
	C 5557	(A,33,42)	CKSRYB104K16
	C 5558	(A,35,47)	CCSRCH470J50
	C 5577	(A,53,30)	CKSRYB103K50
	C 5578	(A,53,28)	CKSRYB103K50
	C 5579	(A,66,19)	CKSRYB102K50
	C 5589	(A,67,23)	CKSRYB104K16
	C 5601	(A,135,11)	CKSRYB102K50
	C 5602	(A,86,16)	CKSRYB102K50
	C 5603	(A,135,8)	CKSRYB102K50
	C 5604	(A,97,17)	CKSRYB104K16
	C 5605	(A,98,17)	CKSRYB104K16
	C 5606	(A,78,17)	CKSRYB102K50
	C 5701	(A,30,56)	CCSRCH101J50
	C 5703	(A,38,56)	CCSRCH101J50
	C 5707	(A,38,64)	CKSRYB102K50
	C 5708	(A,42,62) ELECT. CAPACITOR	CEAT470M35
	C 5712	(A,56,71)	CCSRCH270J50
	C 5713	(A,45,71)	CKSRYB472K50
	C 5714	(A,56,68)	CCSRCH270J50
	C 5715	(A,55,65)	CKSRYB103K50
	C 5716	(A,45,63)	CCSRCH561J50
	C 5719	(A,52,77)	CEAT100M50
	C 5720	(A,58,61) ELECT. CAPACITOR	CEAT470M35

Mark	No.	Description	Part No.
	C 5931	(A,74,105)	CCSRCH221J50
	C 5932	(A,74,104)	CCSRCH221J50
	C 5936	(A,82,107)	CCSRCH221J50

B SYSMAIN ASSY (XV-DV385K)

MISCELLANEOUS

⚠	IC 771	(A,121,39) LOAD SWITCHING	AAT4618IGV-0.5-1
⚠	IC 781	(A,134,40) REGULATOR IC	NJM2845DL1-05
	IC 3101	(A,237,20) 8CH PWM PROCESSOR IC	TAS5508BPAG
	IC 3191	(A,182,94) OP-AMP IC	BA10358F
⚠	IC 3201	(A,267,44) DIGITAL AMP IC	TAS5122DCA
⚠	IC 3301	(A,237,44) DIGITAL AMP IC	TAS5122DCA
⚠	IC 3401	(A,207,44) DIGITAL AMP IC	TAS5122DCA
	IC 3601	(A,306,95) DUAL OP-AMP	NJM4565MD
	IC 3901	(A,206,16) DUAL OP-AMP	NJM4565MD
	IC 4001	(A,96,75) IC	TC4052BFN
	IC 4003	(A,114,85) AD CONVERTER IC	AK5358AET
	IC 4004	(A,125,68) IC	TC7WU04FU
	IC 4005	(A,131,84) IC	TC74VHC157FTS1
	IC 4961	(A,48,18) AD CONVERTER IC	AK5358AET
	IC 5501	(A,68,40) SYSTEM CONTROL MICON	PDC176A
	IC 5502	(A,30,46) EEPROM	S-93C46BD0I-J8T1
	IC 5701	(A,50,67) RDS DECORDER IC	LC72725KM
	Q 491	(A,76,79) TRANSISTOR	RT1N241M
	Q 1301	(A,128,16) TRANSISTOR(SC-70)	2SA1602A
	Q 1302	(A,24,35) TRANSISTOR	2SA1577
	Q 1303	(A,133,18) TRANSISTOR	2SC4154
	Q 1304	(A,19,31) TRANSISTOR	2SC4154
	Q 1402	(A,132,25) TRANSISTOR(SC-70)	2SA1602A
	Q 1413	(A,130,29) TRANSISTOR	RT1N241M
	Q 3131	(A,181,35) TRANSISTOR	2SA1036K
	Q 3132	(A,189,34) DIGITAL TR(SC-70)	RT1N431M
	Q 3601	(A,296,95) TRANSISTOR	IMX9
	Q 3602	(A,300,79) DIGITAL TR(SC-70)	RT1P241M
	Q 3603	(A,289,93) TRANSISTOR	IMX9
	Q 3604	(A,269,27) DIGITAL TR(SC-70)	RT1P241M
	Q 4005	(A,99,83) CHIP TRANSISTOR	HN1A01FU
	Q 4006	(A,151,31) TRANSISTOR	RT1N241M
	Q 4951	(A,65,15) TRANSISTOR	RT1N241M
	Q 5525	(A,103,40) DIGITAL TR(SC-70)	RT1N431M
	Q 5703	(A,41,68) CHIP TRANSISTOR	HN1C01FU
	Q 5931	(A,86,99) TRANSISTOR	RT1N241M
	Q 5932	(A,78,98) TRANSISTOR	RT3N22M
	Q 5934	(A,82,103) TRANSISTOR(SC-70)	2SA1602A
	Q 5935	(A,74,94) TRANSISTOR(SC-70)	2SA1602A
	Q 5936	(A,78,103) DIGITAL TR(SC-70)	RT1P241M
	D 1403	(A,127,13) DIODE	MC2846-11
	D 1415	(A,134,30) DIODE	UDZS4R7(B)
	D 3101	(A,264,26) DIODE	MC2846-11
	D 3131	(A,184,39) DIODE	UDZS18(B)
	D 3133	(A,181,42) DIODE	1SS352
	D 3134	(A,183,42) DIODE	UDZS15(B)
	D 3191	(A,198,26) DIODE	UDZS4R7(B)
	D 3603	(A,313,81) DIODE	UDZS12(B)
	D 4961	(A,50,12) DIODE	UDZS3R9(B)
	D 4962	(A,50,14) DIODE	UDZS3R9(B)
	D 5931	(A,78,107) DIODE	1SS352
	D 5933	(A,66,98) DIODE	1SS352

Mark	No.	Description	Part No.
D	5936 (A,74,99)	DIODE	1SS352
L	772 (A,124,45)	CHIP SOLID INDUCTOR	ATL7002
L	1501 (A,93,33)	AXIAL INDUCTOR	LAU220J
L	3201 (A,284,68)	INDUCTORS	ATH7019
L	3202 (A,267,68)	INDUCTORS	ATH7019
L	3301 (A,251,68)	INDUCTORS	ATH7019
L	3302 (A,234,68)	INDUCTORS	ATH7019
L	3401 (A,218,68)	INDUCTORS	ATH7019
L	3402 (A,201,68)	INDUCTORS	ATH7019
L	4951 (A,156,17)	INDUCTOR	CTF1346
L	4952 (A,151,17)	INDUCTOR	CTF1346
L	5931 (A,74,107)	CHIP SOLID INDUCTOR	QTL1013
L	5932 (A,74,102)	CHIP SOLID INDUCTOR	QTL1013
L	5933 (A,62,103)	CHIP SOLID INDUCTOR	QTL1013
L	5934 (A,62,98)	CHIP SOLID INDUCTOR	QTL1013
JA	403 (A,52,114)	JACK	XKB3069
JA	5931 (A,67,112)	MINI JACK(4P) /W SW	XKN3015
X	3101 (A,254,16)	CRYSTAL RESONATOR (13.5 MHz)	ASS7062
X	4004 (A,133,65)	CRYSTAL RESONATOR (12.288 MHz)	VSS1140
X	5501 (A,86,41)	CERAMIC RESONATOR (10 MHz)	ASS7034
X	5701 (A,61,73)	CRYSTAL RESONATOR (4.332 MHz)	ASS7004
CN	451 (A,54,83)	CONNECTOR	9604S-23C
CN	1001 (A,107,8)	CONNECTOR ASS'Y	PG13KA-F07
CN	3111 (A,279,114)	PIN JACK(4P)	AKB7114
CN	3201 (A,176,61)	2P CONNECTOR	B2P-VH
CN	3211 (A,225,114)	6CH SPEAKER JACK(V0)	AKE7121
CN	5501 (A,100,30)	CONNECTOR	9604S-07C
CN	5603 (A,36,12)	27P CONNECTOR	VKN1258
CN	5605 (A,17,62)	13P CONNECTOR	VKN1244
CN	5701 (A,36,61)	CONNECTOR	9604S-11C
CN	9000 (A,23,78)	17P CONNECTOR	VKN1248
CN	9001 (A,98,11)	CONNECTOR	9604S-29C
	102 (A,44,8)	PCB BINDER	VEF1040
	101 (A,312,49)	PCB BINDER	VEF1040

RESISTORS

R	421 (A,51,99)		RS1/10S75R0F
R	491 (A,75,75)		RS1/16S103J
R	771 (A,124,47)		RS1/16S221J
R	772 (A,128,46)		RS1/16S104J
R	1301 (A,132,15)		RS1/16S473J
R	1302 (A,129,18)		RS1/16S392J
R	1303 (A,23,33)		RS1/16S473J
R	1304 (A,23,31)		RS1/10S561J
R	1306 (A,18,35)		RS1/16S103J
R	1307 (A,129,20)		RS1/16S472J
R	1401 (A,129,21)		RS1/16S392J
R	1402 (A,134,21)		RS1/16S332J
R	1403 (A,132,23)		RS1/16S473J
R	1404 (A,135,26)		RS1/16S393J
R	1415 (A,129,24)		RS1/16S182J
R	3101 (A,226,12)		RS1/16S221J
R	3102 (A,229,12)		RS1/16S221J
R	3103 (A,263,10)		RS1/16S4R7J
R	3104 (A,243,11)		RAB4C221J
R	3106 (A,248,17)		RS1/16S105J
R	3107 (A,249,20)		RAB4C470J
R	3108 (A,249,24)		RAB4C470J
R	3111 (A,227,26)		RS1/16S220J
R	3112 (A,225,16)		RS1/16S470J
R	3113 (A,225,13)		RS1/16S3R3J
R	3114 (A,267,26)		RS1/16S103J
R	3131 (A,181,39)		RS1/16S473J
R	3132 (A,185,37)		RS1/10S123J
R	3133 (A,188,37)		RS1/16S102J
R	3134 (A,188,39)		RS1/16S222J
R	3135 (A,185,42)		RS1/16S102J
R	3141 (A,285,98)		RS1/16S331J
R	3142 (A,291,99)		RS1/16S331J
R	3151 (A,190,12)		RAB4C103J
R	3152 (A,178,29)		RAB4C222J
R	3191 (A,186,98)	RESISTOR (0.10HM,2W)	ACN7112
R	3192 (A,186,95)		RS1/16S103J
R	3193 (A,185,87)		RS1/16S103J
R	3194 (A,188,92)		RS1/16S104J
R	3195 (A,183,87)		RS1/16S104J
R	3196 (A,188,88)		RS1/16S222J
R	3197 (A,189,84)		RS1/16S103J
⚠ R	3199 (A,186,88)		RS1/16S8R2J
R	3204 (A,270,31)		RS1/16S221J
R	3205 (A,265,32)		RS1/16S103J
R	3206 (A,261,34)		RS1/16S101J
R	3207 (A,261,33)		RS1/16S473J
R	3208 (A,261,36)		RS1/16S472J
⚠ R	3211 (A,275,58)	RESISTOR (2.7 OHM)	ACN7148
⚠ R	3212 (A,261,58)	RESISTOR (2.7 OHM)	ACN7148
⚠ R	3213 (A,273,58)	RESISTOR (2.7 OHM)	ACN7148
⚠ R	3214 (A,259,58)	RESISTOR (2.7 OHM)	ACN7148
R	3215 (A,278,62)	CHIP RESISTOR	RS1/8S1R5J
R	3216 (A,264,62)	CHIP RESISTOR	RS1/8S1R5J
R	3217 (A,269,62)	CHIP RESISTOR	RS1/8S1R5J
R	3218 (A,255,62)	CHIP RESISTOR	RS1/8S1R5J
R	3223 (A,278,37)		RS1/10S821J
R	3224 (A,255,37)		RS1/10S821J
R	3225 (A,280,37)		RS1/10S821J
R	3226 (A,253,37)		RS1/10S821J
⚠ R	3227 (A,286,84)		RS1/10S3R3J
⚠ R	3228 (A,270,84)		RS1/10S3R3J
R	3231 (A,250,98)		RS1/10S472J
R	3232 (A,250,101)		RS1/10S472J
R	3233 (A,251,94)		RS1/10S472J
R	3234 (A,250,109)		RS1/10S472J
⚠ R	3235 (A,252,97)		RS1/16S1R0J
⚠ R	3236 (A,256,97)		RS1/16S1R0J
⚠ R	3237 (A,252,94)		RS1/16S1R0J
⚠ R	3238 (A,250,106)		RS1/16S1R0J
⚠ R	3241 (A,276,56)		RS1/10S180J
⚠ R	3242 (A,262,56)		RS1/10S180J
⚠ R	3243 (A,272,56)		RS1/10S180J
⚠ R	3244 (A,258,56)		RS1/10S180J
R	3304 (A,241,31)		RS1/16S221J
R	3305 (A,235,32)		RS1/16S103J
R	3306 (A,231,34)		RS1/16S101J
R	3307 (A,231,33)		RS1/16S473J
R	3308 (A,231,36)		RS1/16S472J
⚠ R	3311 (A,245,58)	RESISTOR (2.7 OHM)	ACN7148

Mark	No.	Description	Part No.
⚠ R	3312 (A,231,58)	RESISTOR (2.7 OHM)	ACN7148
⚠ R	3313 (A,243,58)	RESISTOR (2.7 OHM)	ACN7148
⚠ R	3314 (A,229,58)	RESISTOR (2.7 OHM)	ACN7148
R	3315 (A,248,62)	CHIP RESISTOR	RS1/8S1R5J
R	3316 (A,234,62)	CHIP RESISTOR	RS1/8S1R5J
R	3317 (A,239,62)	CHIP RESISTOR	RS1/8S1R5J
R	3318 (A,225,62)	CHIP RESISTOR	RS1/8S1R5J
R	3323 (A,248,37)		RS1/10S821J
R	3324 (A,225,37)		RS1/10S821J
R	3325 (A,250,37)		RS1/10S821J
R	3326 (A,223,37)		RS1/10S821J
⚠ R	3327 (A,253,84)		RS1/10S3R3J
⚠ R	3328 (A,237,84)		RS1/10S3R3J
R	3331 (A,223,92)		RS1/10S472J
R	3332 (A,237,92)		RS1/10S472J
R	3333 (A,227,92)		RS1/10S472J
R	3334 (A,213,92)		RS1/10S472J
⚠ R	3335 (A,220,92)		RS1/16S1R0J
⚠ R	3336 (A,240,92)		RS1/16S1R0J
⚠ R	3337 (A,230,92)		RS1/16S1R0J
⚠ R	3338 (A,210,92)		RS1/16S1R0J
⚠ R	3341 (A,246,56)		RS1/10S180J
⚠ R	3342 (A,232,56)		RS1/10S180J
⚠ R	3343 (A,242,56)		RS1/10S180J
⚠ R	3344 (A,228,56)		RS1/10S180J
R	3404 (A,211,31)		RS1/16S221J
R	3405 (A,205,32)		RS1/16S103J
R	3406 (A,201,34)		RS1/16S101J
R	3407 (A,201,33)		RS1/16S473J
R	3408 (A,201,36)		RS1/16S472J
⚠ R	3411 (A,215,58)	RESISTOR (2.7 OHM)	ACN7148
⚠ R	3412 (A,201,58)	RESISTOR (2.7 OHM)	ACN7148
⚠ R	3413 (A,213,58)	RESISTOR (2.7 OHM)	ACN7148
⚠ R	3414 (A,199,58)	RESISTOR (2.7 OHM)	ACN7148
R	3415 (A,218,62)	CHIP RESISTOR	RS1/8S1R5J
R	3416 (A,204,62)	CHIP RESISTOR	RS1/8S1R5J
R	3417 (A,209,62)	CHIP RESISTOR	RS1/8S1R5J
R	3418 (A,195,62)	CHIP RESISTOR	RS1/8S1R5J
R	3423 (A,218,37)		RS1/10S821J
R	3424 (A,195,37)		RS1/10S821J
R	3425 (A,220,37)		RS1/10S821J
R	3426 (A,193,37)		RS1/10S821J
⚠ R	3427 (A,220,84)		RS1/10S3R3J
⚠ R	3428 (A,204,84)		RS1/10S3R3J
R	3431 (A,199,98)		RS1/10S472J
R	3432 (A,199,105)		RS1/10S472J
R	3433 (A,199,102)		RS1/10S472J
R	3434 (A,199,108)		RS1/10S472J
⚠ R	3435 (A,197,99)		RS1/16S1R0J
⚠ R	3436 (A,197,105)		RS1/16S1R0J
⚠ R	3437 (A,197,102)		RS1/16S1R0J
⚠ R	3438 (A,197,108)		RS1/16S1R0J
⚠ R	3441 (A,216,56)		RS1/10S180J
⚠ R	3442 (A,202,56)		RS1/10S180J
⚠ R	3443 (A,212,56)		RS1/10S180J
⚠ R	3444 (A,198,56)		RS1/10S180J
R	3601 (A,312,85)		RAB4C472J
R	3605 (A,304,85)		RS1/16S472J
R	3606 (A,304,105)		RS1/16S472J
R	3607 (A,308,88)		RS1/16S472J
R	3608 (A,308,102)		RS1/16S472J
R	3609 (A,303,89)		RS1/16S103J
R	3610 (A,303,101)		RS1/16S103J
R	3611 (A,307,88)		RS1/16S103J
R	3612 (A,307,102)		RS1/16S103J
R	3613 (A,300,90)		RS1/16S473J
R	3614 (A,300,100)		RS1/16S473J
R	3615 (A,299,90)		RS1/16S102J
R	3616 (A,299,100)		RS1/16S102J
R	3617 (A,299,93)		RS1/16S472J
R	3618 (A,299,97)		RS1/16S472J
R	3619 (A,286,92)		RS1/16S221J
R	3620 (A,286,95)		RS1/16S221J
⚠ R	3621 (A,315,90)		RS1/16S8R2J
R	3623 (A,313,90)		RS1/16S222J
R	3629 (A,297,90)		RS1/16S821J
R	3630 (A,297,100)		RS1/16S821J
R	3631 (A,292,92)		RS1/16S472J
R	3632 (A,292,95)		RS1/16S472J
R	3901 (A,216,17)		RAB4C472J
R	3905 (A,213,12)		RS1/16S562J
R	3906 (A,213,23)		RS1/16S562J
R	3907 (A,213,13)		RS1/16S562J
R	3908 (A,213,21)		RS1/16S562J
R	3909 (A,209,11)		RS1/16S183J
R	3910 (A,209,22)		RS1/16S183J
R	3911 (A,209,14)		RS1/16S183J
R	3912 (A,209,17)		RS1/16S183J
R	3913 (A,220,15)		RS1/16S472J
R	3914 (A,219,20)		RS1/16S472J
R	3915 (A,219,15)		RS1/16S472J
R	3916 (A,220,19)		RS1/16S472J
⚠ R	3921 (A,202,16)		RS1/16S8R2J
R	3923 (A,200,16)		RS1/16S103J
R	3924 (A,200,13)		RS1/16S103J
R	4006 (A,156,30)		RS1/16S103J
R	4009 (A,95,85)		RS1/16S102J
R	4010 (A,103,80)		RS1/16S102J
R	4011 (A,91,68)		RS1/16S223J
R	4012 (A,102,71)		RS1/16S223J
R	4013 (A,91,69)		RS1/16S223J
R	4014 (A,102,68)		RS1/16S223J
R	4015 (A,88,78)		RS1/16S223J
R	4016 (A,103,76)		RS1/16S223J
R	4017 (A,90,78)		RS1/16S223J
R	4018 (A,104,74)		RS1/16S223J
R	4019 (A,101,62)		RS1/16S272J
R	4020 (A,100,68)		RS1/16S272J
R	4021 (A,95,83)		RS1/16S224J
R	4022 (A,103,84)		RS1/16S224J
R	4023 (A,91,85)		RS1/16S102J
R	4024 (A,104,80)		RS1/16S102J
R	4025 (A,116,67)		RS1/16S102J
R	4026 (A,116,66)		RS1/16S102J
R	4027 (A,91,74)		RS1/16S473J
R	4039 (A,92,93)		RS1/16S153J
R	4040 (A,103,82)		RS1/16S153J
R	4048 (A,117,92)		RS1/16S182J

Mark	No.	Description	Part No.
R	4049	(A,125,92)	RAB4C101J
R	4052	(A,121,67)	RS1/16S0R0J
R	4053	(A,121,70)	RS1/16S101J
R	4054	(A,124,71)	RS1/16S101J
R	4055	(A,128,71)	RS1/16S105J
R	4056	(A,128,65)	RS1/16S101J
R	4057	(A,109,86)	RS1/16S0R0J
R	4060	(A,112,92)	RS1/16S0R0J
R	4061	(A,130,89)	RS1/16S221J
R	4062	(A,126,88)	RS1/16S221J
R	4063	(A,128,80)	RS1/16S221J
R	4065	(A,138,84)	RS1/16S221J
R	4066	(A,134,79)	RS1/16S101J
R	4067	(A,137,82)	RS1/16S101J
R	4073	(A,114,92)	RS1/16S332J
R	4081	(A,171,22)	RS1/16S105J
R	4082	(A,173,23)	RS1/16S105J
R	4915	(A,103,77)	RS1/16S473J
R	4951	(A,159,17)	RS1/16S473J
R	4952	(A,153,16)	RS1/16S473J
R	4955	(A,62,16)	RS1/16S182J
R	4965	(A,42,18)	RS1/16S221J
R	4966	(A,54,10)	RS1/16S102J
R	4967	(A,47,12)	RS1/16S332J
R	4968	(A,46,10)	RS1/16S182J
R	4969	(A,42,13)	RAB4C101J
R	5501	(A,85,25)	RAB4C221J
R	5502	(A,60,18)	RS1/16S104J
R	5505	(A,86,28)	RS1/16S221J
R	5506	(A,86,29)	RS1/16S221J
R	5507	(A,86,31)	RS1/16S221J
R	5508	(A,86,32)	RS1/16S222J
R	5509	(A,90,29)	RS1/16S0R0J
R	5510	(A,98,41)	RS1/16S473J
R	5513	(A,93,25)	RS1/16S153J
R	5514	(A,93,24)	RS1/16S473J
R	5515	(A,90,25)	RS1/16S823J
R	5516	(A,90,24)	RS1/16S473J
R	5517	(A,105,49)	RAB4C221J
R	5518	(A,98,50)	RS1/16S105J
R	5519	(A,106,29)	RS1/16S103J
R	5520	(A,103,29)	RS1/16S103J
R	5521	(A,108,41)	RS1/16S221J
R	5527	(A,83,55)	RAB4C221J
R	5531	(A,64,19)	RS1/16S0R0J
R	5541	(A,68,67)	RAB4C221J
R	5543	(A,118,52)	RS1/16S0R0J
R	5544	(A,72,71)	RS1/16S0R0J
R	5546	(A,72,74)	RS1/16S103J
R	5547	(A,70,73)	RS1/16S103J
R	5548	(A,49,55)	RAB4C221J
R	5557	(A,49,48)	RAB4C221J
R	5558	(A,34,47)	RS1/16S473J
R	5559	(A,26,46)	RS1/16S473J
R	5562	(A,49,45)	RS1/16S221J
R	5564	(A,49,44)	RS1/16S221J
R	5565	(A,49,42)	RS1/16S221J
R	5566	(A,49,40)	RAB4C221J
R	5569	(A,91,52)	RS1/16S221J

Mark	No.	Description	Part No.
R	5570	(A,49,36)	RAB4C221J
R	5571	(A,53,33)	RS1/16S102J
R	5574	(A,67,19)	RS1/16S104J
R	5577	(A,50,29)	RAB4C221J
R	5581	(A,53,25)	RS1/16S221J
R	5582	(A,60,23)	RS1/16S221J
R	5583	(A,61,23)	RS1/16S103J
R	5584	(A,63,23)	RS1/16S221J
R	5590	(A,71,19)	RAB4C221J
R	5597	(A,70,16)	RS1/16S153J
R	5605	(A,21,47)	RS1/16S101J
R	5712	(A,27,66)	RS1/16S272J
R	5713	(A,27,71)	RS1/16S272J
R	5931	(A,78,105)	RS1/16S182J
R	5933	(A,70,98)	RS1/16S104J
R	5934	(A,69,95)	RS1/16S102J
R	5935	(A,71,95)	RS1/16S103J
R	5936	(A,82,105)	RS1/16S182J
R	5937	(A,87,102)	RS1/16S473J
R	5938	(A,82,100)	RS1/16S272J
R	5939	(A,82,99)	RS1/16S332J
R	5940	(A,74,101)	RS1/16S101J
R	5942	(A,74,97)	RS1/16S104J

CAPACITORS

C	427	(A,56,92) ELECT. CAPACITOR	CEAT102M6R3
C	771	(A,121,34)	CKSQYB105K16
C	773	(A,121,37)	CKSRYB104K16
C	781	(A,127,42)	CEAT100M50
C	782	(A,136,49)	CKSQYB225K10
C	1205	(A,24,14)	CKSRYB104K16
C	1206	(A,59,20)	CKSRYB104K16
C	1207	(A,77,13)	CKSRYB102K50
C	1208	(A,83,17)	CCSRCH471J50
C	1209	(A,113,21)	CKSRYB104K16
C	1210	(A,116,16)	CKSRYB104K16
C	1211	(A,113,14)	CKSRYB104K16
C	1301	(A,18,33)	CKSRYB105K6R3
C	1501	(A,90,44)	CKSRYB103K50
C	1502	(A,97,44)	CKSRYB104K16
C	1505	(A,87,46)	CEAT101M10
C	3101	(A,229,14)	CKSRYB224K16
C	3102	(A,228,12)	CKSRYB103K50
C	3103	(A,228,8)	CKSRYB104K16
C	3104	(A,232,8)	CKSRYB104K16
C	3105	(A,231,12)	CKSRYB103K50
C	3106	(A,234,10)	CKSRYB104K16
C	3107	(A,236,10)	CKSRYB104K16
C	3108	(A,249,9)	CEVW100M10
C	3109	(A,237,10)	CKSRYB102K50
C	3110	(A,244,14)	CKSRYB104K16
C	3111	(A,257,9)	CEVW100M10
C	3112	(A,245,15)	CKSRYB104K16
C	3113	(A,247,15)	CCSRCH180J50
C	3114	(A,248,15)	CCSRCH150J50
C	3115	(A,245,26)	CKSRYB474K10
C	3116	(A,246,26)	CKSRYB104K16
C	3117	(A,255,25)	CEVW100M10
C	3118	(A,231,28)	CKSRYB104K16
C	3119	(A,227,23)	CKSRYB104K16

Mark	No.	Description	Part No.
C	3120 (A,224,25)		CEVW100M10
C	3141 (A,285,99)		CCSRCH221J50
C	3142 (A,288,99)		CCSRCH221J50
C	3151 (A,175,46)		CKSRYB104K16
C	3192 (A,186,92)		CKSRYB104K25
C	3201 (A,276,38)		CKSQYB105K16
C	3202 (A,258,38)		CKSQYB105K16
C	3203 (A,267,33)		CKSRYB104K16
C	3204 (A,261,37)		CKSRYB104K16
C	3211 (A,279,57)		CKSQYB104K50
C	3212 (A,265,57)		CKSQYB104K50
C	3213 (A,269,57)		CKSQYB104K50
C	3214 (A,255,57)		CKSQYB104K50
C	3215 (A,275,63)		CKSRYB333K50
C	3216 (A,261,63)		CKSRYB333K50
C	3217 (A,273,63)		CKSRYB333K50
C	3218 (A,259,63)		CKSRYB333K50
C	3221 (A,278,89)	ELECT. CAPACITOR	CEAT102M25
C	3223 (A,284,84)		CKSRYB103K50
C	3224 (A,267,84)		CKSRYB103K50
C	3225 (A,273,84)		CKSRYB102K50
C	3226 (A,256,84)		CKSRYB102K50
C	3227 (A,276,47)		CKSRYB104K25
C	3228 (A,257,47)		CKSRYB104K25
C	3231 (A,276,83)		CFTLA474J50
C	3232 (A,259,83)		CFTLA474J50
C	3233 (A,238,100)		CKSRYB104K25
C	3234 (A,240,106)		CKSRYB104K25
C	3235 (A,240,100)		CKSRYB104K25
C	3236 (A,243,106)		CKSRYB104K25
C	3237 (A,255,97)		CKSRYB103K50
C	3238 (A,258,97)		CKSRYB103K50
C	3239 (A,255,94)		CKSRYB103K50
C	3240 (A,250,104)		CKSRYB103K50
C	3241 (A,277,54)		CKSRYB331K50
C	3242 (A,263,54)		CKSRYB331K50
C	3243 (A,271,54)		CKSRYB331K50
C	3244 (A,257,54)		CKSRYB331K50
C	3301 (A,246,38)		CKSQYB105K16
C	3302 (A,228,38)		CKSQYB105K16
C	3303 (A,237,33)		CKSRYB104K16
C	3304 (A,231,37)		CKSRYB104K16
C	3311 (A,249,57)		CKSQYB104K50
C	3312 (A,235,57)		CKSQYB104K50
C	3313 (A,239,57)		CKSQYB104K50
C	3314 (A,225,57)		CKSQYB104K50
C	3315 (A,245,63)		CKSRYB333K50
C	3316 (A,231,63)		CKSRYB333K50
C	3317 (A,243,63)		CKSRYB333K50
C	3318 (A,229,63)		CKSRYB333K50
C	3321 (A,262,89)	ELECT. CAPACITOR	CEAT102M25
C	3323 (A,251,84)		CKSRYB103K50
C	3324 (A,234,84)		CKSRYB103K50
C	3325 (A,240,84)		CKSRYB102K50
C	3326 (A,223,84)		CKSRYB102K50
C	3327 (A,246,47)		CKSRYB104K25
C	3328 (A,227,47)		CKSRYB104K25
C	3331 (A,243,83)		CFTLA474J50
C	3332 (A,226,83)		CFTLA474J50
C	3333 (A,222,100)		CKSRYB104K25
C	3334 (A,229,105)		CKSRYB104K25
C	3335 (A,225,100)		CKSRYB104K25
C	3336 (A,226,105)		CKSRYB104K25
C	3337 (A,217,92)		CKSRYB103K50
C	3338 (A,243,92)		CKSRYB103K50
C	3339 (A,233,92)		CKSRYB103K50
C	3340 (A,207,92)		CKSRYB103K50
C	3341 (A,247,54)		CKSRYB331K50
C	3342 (A,233,54)		CKSRYB331K50
C	3343 (A,241,54)		CKSRYB331K50
C	3344 (A,227,54)		CKSRYB331K50
C	3401 (A,216,38)		CKSQYB105K16
C	3402 (A,198,38)		CKSQYB105K16
C	3403 (A,207,33)		CKSRYB104K16
C	3404 (A,201,37)		CKSRYB104K16
C	3411 (A,219,57)		CKSQYB104K50
C	3412 (A,205,57)		CKSQYB104K50
C	3413 (A,209,57)		CKSQYB104K50
C	3414 (A,195,57)		CKSQYB104K50
C	3415 (A,215,63)		CKSRYB333K50
C	3416 (A,201,63)		CKSRYB333K50
C	3417 (A,213,63)		CKSRYB333K50
C	3418 (A,199,63)		CKSRYB333K50
C	3421 (A,196,89)	ELECT. CAPACITOR	CEAT102M25
C	3423 (A,218,84)		CKSRYB103K50
C	3424 (A,201,84)		CKSRYB103K50
C	3425 (A,207,84)		CKSRYB102K50
C	3426 (A,190,82)		CKSRYB102K50
C	3427 (A,216,47)		CKSRYB104K25
C	3428 (A,197,47)		CKSRYB104K25
C	3431 (A,210,83)		CFTLA474J50
C	3432 (A,193,83)		CFTLA474J50
C	3433 (A,208,100)		CKSRYB104K25
C	3434 (A,214,105)		CKSRYB104K25
C	3435 (A,210,100)		CKSRYB104K25
C	3436 (A,211,105)		CKSRYB104K25
C	3437 (A,195,99)		CKSRYB103K50
C	3438 (A,195,105)		CKSRYB103K50
C	3439 (A,195,102)		CKSRYB103K50
C	3440 (A,195,108)		CKSRYB103K50
C	3441 (A,217,54)		CKSRYB331K50
C	3442 (A,203,54)		CKSRYB331K50
C	3443 (A,211,54)		CKSRYB331K50
C	3444 (A,197,54)		CKSRYB331K50
C	3601 (A,305,85)		CCSRCH821J50
C	3602 (A,305,105)		CCSRCH821J50
C	3603 (A,308,85)		CCSRCH821J50
C	3604 (A,308,105)		CCSRCH821J50
C	3605 (A,303,87)		CCSRCH331J50
C	3606 (A,303,102)		CCSRCH331J50
C	3607 (A,307,85)		CCSRCH331J50
C	3608 (A,307,105)		CCSRCH331J50
C	3609 (A,299,85)		CEVW100M16
C	3610 (A,300,106)		CEVW100M16
C	3611 (A,296,90)		CCSRCH821J50
C	3612 (A,296,100)		CCSRCH821J50
C	3621 (A,312,102)		CEVW100M25
C	3622 (A,313,95)		CEVW100M16
C	3623 (A,310,97)		CKSRYB104K25

Mark	No.	Description	Part No.
C	3624	(A,310,94)	CKSRYB104K16
C	3901	(A,212,15)	CCSRCH681J50
C	3902	(A,212,19)	CCSRCH681J50
C	3903	(A,214,15)	CCSRCH681J50
C	3904	(A,214,19)	CCSRCH681J50
C	3905	(A,211,12)	CCSRCH181J50
C	3906	(A,211,22)	CCSRCH181J50
C	3907	(A,211,15)	CCSRCH561J50
C	3908	(A,211,19)	CCSRCH561J50
C	3921	(A,215,8)	CEVW100M25
C	3922	(A,223,8)	CEVW100M16
C	3923	(A,202,20)	CKSRYB104K25
C	3924	(A,202,13)	CKSRYB104K16
C	4001	(A,97,69)	CKSRYB103K50
C	4011	(A,95,65)	CEAT100M50
C	4012	(A,112,64)	CEAT100M50
C	4015	(A,87,72)	CEAT100M50
C	4016	(A,105,71)	CEAT100M50
C	4019	(A,105,64)	CEAT100M50
C	4020	(A,118,62)	CEAT100M50
C	4021	(A,97,93)	CKSRYB104K16
C	4022	(A,101,93)	CKSRYB104K16
C	4023	(A,96,89) ELECT. CAPACITOR	CEAT470M35
C	4024	(A,125,59)	CEAT221M6R3
C	4025	(A,90,89)	CEAT100M50
C	4026	(A,102,89)	CEAT100M50
C	4041	(A,119,78)	CEAT100M50
C	4042	(A,114,78)	CKSRYB104K16
C	4043	(A,108,78)	CEAT2R2M50
C	4044	(A,112,78)	CKSRYB104K16
C	4045	(A,121,84)	CEAT100M50
C	4046	(A,124,87)	CKSRYB104K16
C	4048	(A,115,92)	CKSRYB103K50
C	4052	(A,120,67)	CKSRYB104K16
C	4056	(A,130,65)	CCSRCH270J50
C	4057	(A,130,71)	CCSRCH270J50
C	4064	(A,134,88)	CKSRYB104K16
C	4951	(A,158,21)	CEAT101M16
C	4952	(A,149,21)	CEAT101M16
C	4961	(A,55,15)	CKSRYB105K16
C	4962	(A,54,17)	CKSRYB104K16
C	4963	(A,54,12)	CKSQYB225K10
C	4965	(A,54,20)	CKSQYB225K10
C	4966	(A,54,19)	CKSRYB104K16
C	4967	(A,49,8) ELECT. CAPACITOR	CEAT220M25
C	4968	(A,45,12)	CKSRYB103K50
C	5502	(A,94,46)	CEAT101M10
C	5504	(A,88,24)	CKSRYB103K50
C	5508	(A,88,29)	CKSRYB103K50
C	5509	(A,83,35)	CKSRYB104K16
C	5517	(A,82,42)	CKSRYB103K50
C	5518	(A,82,44)	CKSRYB104K16
C	5519	(A,103,32)	CKSRYB103K50
C	5521	(A,106,45)	CKSRYB104K16
C	5522	(A,106,41)	CKSRYB103K50
C	5524	(A,101,44)	CEAT100M50
C	5539	(A,69,57)	CKSRYB104K16
C	5555	(A,54,48)	CKSRYB104K16
C	5557	(A,33,42)	CKSRYB104K16
C	5558	(A,35,47)	CCSRCH470J50
C	5577	(A,53,30)	CKSRYB103K50
C	5578	(A,53,28)	CKSRYB103K50
C	5579	(A,66,19)	CKSRYB102K50
C	5589	(A,67,23)	CKSRYB104K16
C	5601	(A,135,11)	CKSRYB102K50
C	5602	(A,86,16)	CKSRYB102K50
C	5603	(A,135,8)	CKSRYB102K50
C	5604	(A,97,17)	CKSRYB104K16
C	5605	(A,98,17)	CKSRYB104K16
C	5606	(A,78,17)	CKSRYB102K50
C	5701	(A,30,56)	CCSRCH101J50
C	5703	(A,38,56)	CCSRCH101J50
C	5707	(A,38,64)	CKSRYB102K50
C	5708	(A,42,62) ELECT. CAPACITOR	CEAT470M35
C	5712	(A,56,71)	CCSRCH270J50
C	5713	(A,45,71)	CKSRYB472K50
C	5714	(A,56,68)	CCSRCH270J50
C	5715	(A,55,65)	CKSRYB103K50
C	5716	(A,45,63)	CCSRCH561J50
C	5719	(A,52,77)	CEAT100M50
C	5720	(A,58,61) ELECT. CAPACITOR	CEAT470M35
C	5931	(A,74,105)	CCSRCH221J50
C	5932	(A,74,104)	CCSRCH221J50
C	5936	(A,82,107)	CCSRCH221J50

C COMPLEX ASSY

MISCELLANEOUS

IC	5901	(B,64,40) FL DRIVER IC	PT6315
Q	5971	(B,193,28) DIGITAL TR(SC-70)	RT1P241M
Q	5973	(B,214,18) TRANSISTOR	IMX9
Q	5974	(B,213,24) TRANSISTOR	IMX9
D	601	(B,228,46) ZENER DIODE	UMZU6.2N
L	5901	(A,34,47) AXIAL INDUCTOR	LAU220J
L	5902	(A,89,37) AXIAL INDUCTOR	LAU100J
L	5971	(B,214,39) INDUCTOR	CTF1306
L	5972	(B,201,27) INDUCTOR	CTF1306
L	5974	(B,196,27) INDUCTOR	CTF1306
JA	602	(A,230,36) JACK	XKB3056
JA	5901	(A,203,39) MINITURE JACK	AKN7005
V	5901	(A,37,27) FL TUBE	AAV7104
S	5962	(A,207,52) SWITCH	VSG1024
S	5963	(A,194,52) SWITCH	VSG1024
S	5964	(A,171,52) SWITCH	VSG1024
S	5965	(A,153,52) SWITCH	VSG1024
S	5966	(A,135,52) SWITCH	VSG1024
S	5967	(A,117,52) SWITCH	VSG1024
S	5991	(A,228,52) SWITCH	VSG1024
CN	5902	(A,11,52) CONNECTOR	9607S-27F
	5902	REMOTE RECEIVER UNIT	GP1UE274XKC1
	5971	FL SPACER	AEB7367

RESISTORS

R	5901	(B,44,45)	RS1/16S221J
R	5902	(B,39,45)	RS1/16S221J
R	5903	(B,56,50)	RS1/16S221J
R	5904	(B,48,45)	RS1/16S823J
R	5951	(B,20,48)	RS1/16S470J

Mark	No.	Description	Part No.
R	5954	(B,31,33)	RS1/16S101J
R	5962	(B,203,52)	RS1/16S102J
R	5963	(B,198,52)	RS1/16S122J
R	5964	(B,174,48)	RS1/16S152J
R	5965	(B,131,50)	RS1/16S182J
R	5966	(B,115,47)	RS1/16S102J
R	5971	(B,219,26)	RS1/10S680J
R	5972	(B,205,19)	RS1/10S680J
R	5973	(B,217,26)	RS1/10S680J
R	5974	(B,203,19)	RS1/10S680J
R	5975	(B,218,22)	RS1/16S222J
R	5976	(B,218,16)	RS1/16S222J
R	5977	(B,213,28)	RS1/16S222J
R	5978	(B,211,18)	RS1/16S222J
R	5979	(B,219,30)	RS1/10S680J
R	5980	(B,208,23)	RS1/10S680J
R	5981	(B,217,30)	RS1/10S680J
R	5982	(B,210,23)	RS1/10S680J
R	5983	(B,214,35)	RS1/16S680J
R	5984	(B,203,23)	RS1/16S680J
R	5985	(B,217,35)	RS1/16S680J
R	5986	(B,205,23)	RS1/16S680J
R	5990	(B,199,28)	RS1/16S680J

CAPACITORS

C	601	(B,222,42)	CKSRYB104K50
C	602	(A,216,43)	CEAT221M6R3
C	605	(B,220,42)	CKSRYB104K50
C	5907	(A,115,21) ELECTR. CAPACITOR	CEAL470M35
C	5911	(B,31,43)	CKSRYB223K50
C	5912	(B,46,39)	CKSRYB223K50
C	5913	(A,42,41)	CEAL470M6R3
C	5915	(B,69,49)	CKSRYB103K50
C	5916	(B,91,34)	CKSRYB223K50
C	5917	(B,79,37)	CKSRYB223K50
C	5918	(A,83,39) ELECTR. CAPACITOR	CEAL470M35
C	5920	(B,46,45)	CCSRCH221J50
C	5921	(B,41,45)	CCSRCH221J50
C	5922	(B,58,50)	CCSRCH221J50
C	5951	(B,20,37)	CKSRYB223K50
C	5952	(A,19,41)	CEJQ470M10
C	5971	(B,213,31)	CKSRYB102K50
C	5972	(B,207,27)	CKSRYB102K50
C	5973	(B,212,35)	CKSRYB473K25
C	5974	(B,205,27)	CKSRYB473K25
C	5977	(B,199,32)	CKSRYB103K50

D EUROSCART ASSY

MISCELLANEOUS

IC	471	(B,38,46) VIDEO SW IC	MM1505XN
IC	472	(B,29,48) VIDEO SW IC	MM1507XN
Q	461	(B,68,68) CHIP TRANSISTOR	RT3WLMM
Q	462	(B,47,65) CHIP TRANSISTOR	RT3WLMM
Q	463	(B,52,70) DIGITAL TR(SC-70)	RT1P441M
Q	472	(B,25,67) TRANSISTOR	RT1N241M
Q	492	(B,80,40) DIGITAL TR(SC-70)	RT1P241M
Q	493	(B,74,45) TRANSISTOR	IMX9
D	471	(B,49,41) DIODE	MC2846-11
D	472	(B,43,41) DIODE	MC2848-11
D	473	(B,32,41) DIODE	MC2846-11
D	474	(B,38,41) DIODE	MC2848-11
JA	451	(A,62,8) CONNECTOR	XKB3054
CN	461	(A,89,31) CONNECTOR	CKS3388

RESISTORS

R	461	(B,62,69)	RS1/16S223J
R	462	(B,62,67)	RS1/16S122J
R	463	(B,73,65)	RS1/16S472J
R	464	(B,52,65)	RS1/16S472J
R	465	(B,73,67)	RS1/16S563J
R	466	(B,30,66)	RS1/16S103J
R	467	(B,41,69)	RS1/16S122J
R	468	(B,41,71)	RS1/16S122J
R	469	(B,41,67)	RS1/16S102J
R	470	(B,46,72)	RS1/16S821J
R	471	(B,46,70)	RS1/16S561J
R	472	(B,30,64)	RS1/16S223J
R	473	(B,52,73)	RS1/16S563J
R	474	(B,58,28) CHIP RESISTOR	RS1/16S75R0F
R	475	(B,53,28) CHIP RESISTOR	RS1/16S75R0F
R	476	(B,47,28) CHIP RESISTOR	RS1/16S75R0F
R	477	(B,27,27) CHIP RESISTOR	RS1/16S75R0F
R	478	(B,40,28) CHIP RESISTOR	RS1/16S75R0F
R	481	(B,71,37)	RS1/16S102J
R	482	(B,71,35)	RS1/16S102J
R	483	(B,59,38)	RS1/16S473J
R	484	(B,63,38)	RS1/16S473J
R	485	(B,59,36)	RS1/16S471J
R	486	(B,63,36)	RS1/16S471J
R	493	(B,76,42)	RS1/16S472J
R	494	(B,76,40)	RS1/16S472J
R	495	(B,89,23)	RS1/16S331J
R	496	(B,85,23)	RS1/16S331J

CAPACITORS

C	464	(B,66,65)	CKSRYB104K50
C	470	(B,41,73)	CKSRYB104K50
C	471	(A,35,57)	CEAT100M50
C	472	(B,39,52)	CKSRYB104K50
C	473	(B,24,57)	CKSRYB104K50
C	474	(B,24,61)	CKSRYB104K50
C	475	(B,43,44)	CKSRYB104K50
C	476	(B,29,45)	CKSRYB104K50
C	477	(A,52,37) ELECT. CAPACITOR	CEAT471M6R3
C	478	(A,45,37) ELECT. CAPACITOR	CEAT471M6R3
C	479	(A,38,37) ELECT. CAPACITOR	CEAT471M6R3
C	480	(A,30,37) ELECT. CAPACITOR	CEAT102M6R3
C	481	(A,65,49)	CEAT100M50
C	482	(A,65,42)	CEAT100M50
C	483	(B,59,34)	CCSRCH331J50
C	484	(B,63,34)	CCSRCH331J50
C	485	(B,89,21)	CCSRCH101J50
C	486	(B,85,21)	CCSRCH101J50
C	487	(B,58,26)	CCSRCH470J50
C	488	(B,23,25)	CKSRYB104K50
C	489	(B,53,26)	CCSRCH470J50
C	490	(B,47,26)	CCSRCH470J50
C	491	(B,27,25)	CCSRCH470J50
C	492	(B,40,26)	CCSRCH470J50

E DSP ASSY (XV-DV575, XV-DV580)

MISCELLANEOUS

Mark	No.		Description	Part No.
	IC	601	(A,87,53) DIR IC	AK4117VF
	IC	650	(A,66,36) IC	TC7SH08FUS1
	IC	801	(A,31,48) DSP IC	DSPC56371AF180
	IC	802	(A,21,34) IC	TC7WU04FU
	IC	851	(B,44,46) FLASH ROM IC	PDC156A8
⚠	IC	901	(A,95,42) LDO REGULATOR	BD00KA5WFP
	IC	951	(B,96,55) IC	TC74VHC08FTS1
	Q	801	(B,28,40) TRANSISTOR	RT1N241M
	L	602	(B,87,49) CHIP SOLID INDUCTOR	QTL1013
	L	603	(A,84,58) CHIP SOLID INDUCTOR	QTL1013
	L	650	(A,68,39) CHIP SOLID INDUCTOR	QTL1013
	L	801	(B,23,41) CHIP SOLID INDUCTOR	QTL1013
	L	802	(B,23,37) CHIP SOLID INDUCTOR	QTL1013
	L	803	(A,39,37) CHIP SOLID INDUCTOR	ATL7002
	L	804	(B,18,50) CHIP SOLID INDUCTOR	ATL7002
	L	901	(B,91,36) CHIP SOLID INDUCTOR	ATL7002
	L	952	(B,93,46) CHIP SOLID INDUCTOR	QTL1013
	KN	901	SCREW PLATE	VNE1948
	X	801	(A,16,40) CRYSTAL RESONATOR (24.576MHZ)	XSS3003
	CN	701	(A,66,31) 19P SOCKET	XKP3054
	CN	901	(A,99,31) 9P SOCKET	XKP3088
	CN	951	(A,26,31) 13P SOCKET	XKP3053

RESISTORS

	R	601	(B,81,53)	RS1/16S471J
	R	603	(B,79,54)	RS1/16S471J
	R	604	(A,92,48)	RS1/16S151J
	R	605	(B,76,45)	RS1/16S101J
	R	606	(B,80,45)	RS1/16S101J
	R	607	(B,78,45)	RS1/16S470J
	R	608	(B,89,52)	RS1/16S470J
	R	610	(A,79,51)	RS1/16S470J
	R	612	(B,91,52)	RS1/16S101J
	R	616	(A,95,51)	RS1/16S103J
	R	617	(A,80,58)	RS1/16S123J
	R	755	(A,61,36) RESISTOR ARRAY	RAB4C104J
	R	801	(A,42,59)	RS1/16S470J
	R	802	(A,34,59)	RAB4C101J
	R	803	(B,38,57)	RS1/16S103J
	R	804	(B,36,57)	RS1/16S103J
	R	805	(B,34,57)	RS1/16S103J
	R	806	(B,32,57)	RS1/16S103J
	R	807	(B,30,57)	RS1/16S473J
	R	810	(A,18,50)	RS1/16S473J
	R	811	(B,17,45)	RS1/16S101J
	R	812	(B,21,45)	RS1/16S101J
	R	813	(B,19,45)	RS1/16S472J
	R	814	(B,23,45)	RS1/16S101J
	R	815	(B,27,45)	RS1/16S101J
	R	816	(B,26,35)	RS1/16S101J
	R	817	(B,25,39)	RS1/16S103J
	R	818	(A,28,34)	RS1/16S470J
	R	821	(A,15,37)	RS1/16S471J
	R	822	(A,17,37)	RS1/16S105J
	R	823	(A,25,35)	RS1/16S101J
	R	825	(A,31,35)	RS1/16S101J
	R	827	(B,32,39)	RS1/16S0R0J
	R	828	(B,30,39)	RS1/16S103J
	R	829	(A,35,37)	RS1/16S473J
	R	832	(A,41,42)	RS1/16S470J
	R	833	(A,45,45)	RS1/16S470J
	R	834	(A,44,48)	RS1/16S470J
	R	836	(A,41,50)	RS1/16S470J
	R	837	(A,43,57)	RAB4C470J
	R	851	(A,41,40)	RS1/16S470J
	R	852	(A,40,37)	RS1/16S222J
	R	855	(A,48,45)	RS1/16S103J
	R	856	(B,40,46)	RS1/16S103J
	R	857	(A,48,47)	RS1/16S103J
	R	858	(A,49,50)	RS1/16S0R0J
	R	901	(B,100,45)	RS1/16S333J
	R	902	(B,104,49)	RS1/16S2202F
	R	903	(B,98,36)	RS1/16S104J
	R	953	(B,37,32)	RS1/16S104J
	R	954	(B,35,32)	RS1/16S104J
	R	955	(B,28,35)	RS1/16S104J
	R	956	(B,33,32)	RS1/16S104J
	R	957	(B,21,41)	RS1/16S104J
	R	958	(A,13,34)	RS1/16S104J
	R	959	(B,12,46)	RS1/16S104J
	R	960	(A,11,34)	RS1/16S104J
	R	963	(A,94,59)	RS1/16S101J
	R	964	(A,97,55)	RS1/16S101J
	R	965	(A,100,57)	RAB4C101J

CAPACITORS

	C	603	(A,80,57)	CKSRYB103K50
	C	606	(A,81,53)	CKSRYB104K16
	C	611	(A,90,59)	CKSRYB104K16
	C	614	(A,94,55)	CKSRYB102K50
	C	617	(A,87,58)	CKSRYB104K16
	C	650	(A,68,35)	CKSRYB104K16
	C	801	(A,37,57)	CCSRCH471J50
	C	802	(A,37,59)	CKSRYB104K16
	C	803	(A,31,57)	CKSRYB105K6R3
	C	805	(A,25,57)	CCSRCH471J50
	C	806	(A,25,58)	CKSRYB104K16
	C	807	(A,21,53)	CCSRCH471J50
	C	808	(A,19,53)	CKSRYB104K16
	C	809	(A,21,50)	CKSRYB105K6R3
	C	811	(B,15,46)	CCSRCH221J50
	C	813	(B,29,45)	CCSRCH221J50
	C	814	(A,20,44)	CCSRCH471J50
	C	815	(A,20,45)	CKSRYB104K16
	C	816	(A,17,35)	CCSRCH471J50
	C	817	(A,16,35)	CKSRYB104K16
	C	819	(A,12,37)	CCSRCH5R0C50
	C	820	(A,20,37)	CCSRCH5R0C50
	C	821	(A,24,38)	CCSRCH471J50
	C	822	(A,24,37)	CKSRYB104K16
	C	823	(A,27,38)	CKSRYB105K6R3
	C	825	(A,29,37)	CKSRYB103K50
	C	826	(A,32,38)	CKSRYB105K6R3
	C	828	(A,40,44)	CCSRCH471J50
	C	829	(A,41,44)	CKSRYB104K16
	C	830	(A,41,47)	CKSRYB105K6R3

Mark	No.	Description	Part No.
C	832	(A,41,52)	CCSRCH471J50
C	833	(A,42,52)	CKSRYB104K16
C	851	(B,50,48)	CKSRYB104K16
C	901	(A,100,37)	CKSRYB105K6R3
C	906	(A,104,46)	CKSRYB105K6R3
C	951	(B,92,56)	CKSRYB104K16

F POWER SUPPLY UNIT

POWER SUPPLY UNIT has no service part.

G FM/AM TUNER UNIT

FM/AM TUNER UNIT has no service part.